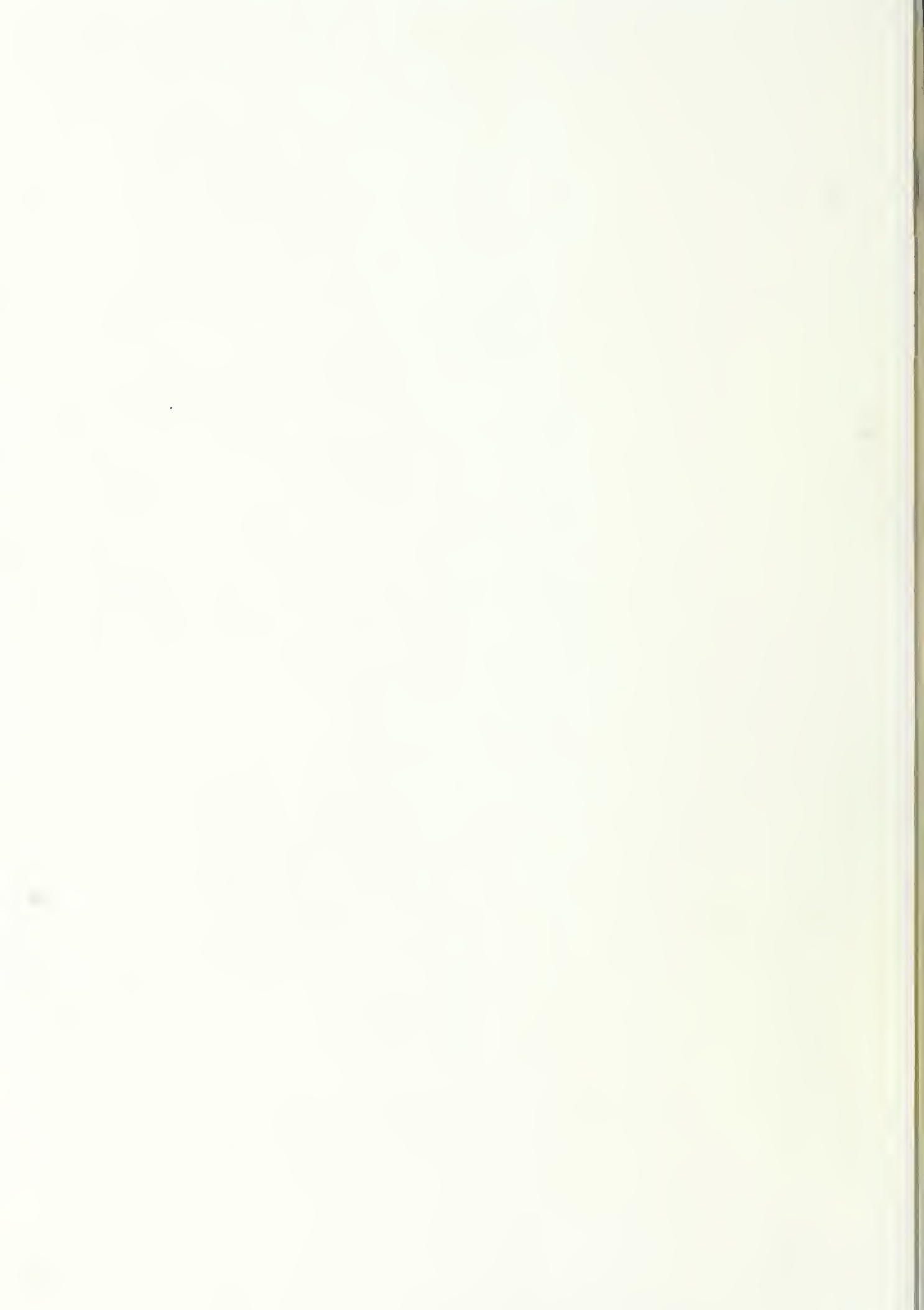




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The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALE - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

No. 3026
VOL. CXXVIII

FEBRUARY 5, 1938

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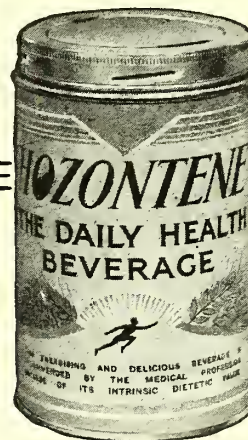
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B.P.**

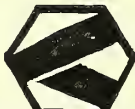
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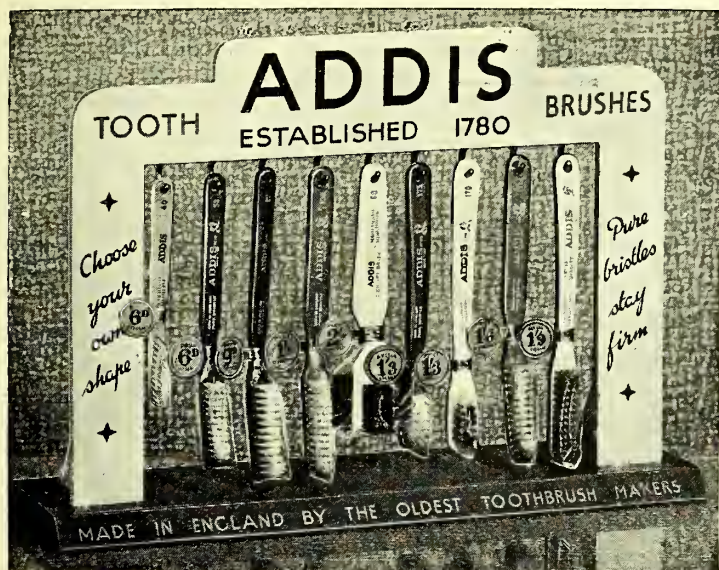
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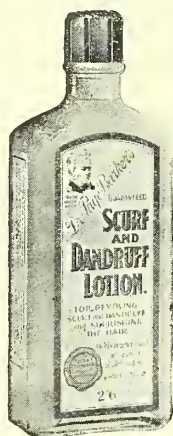
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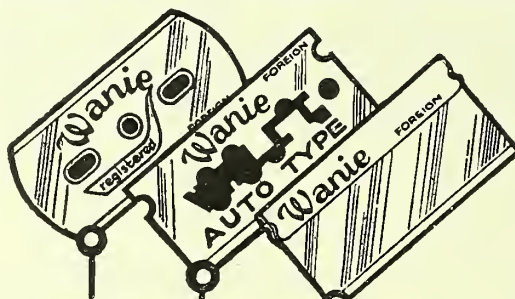
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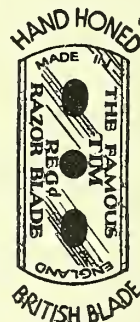
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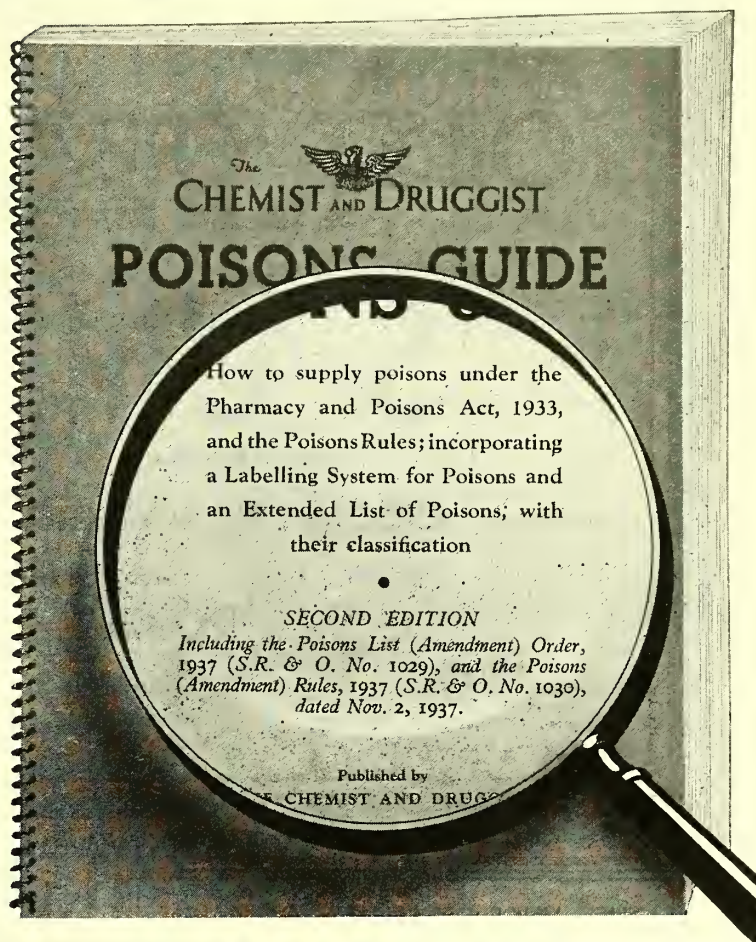
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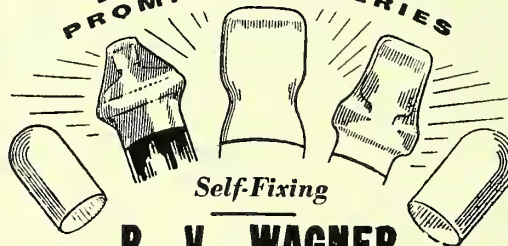
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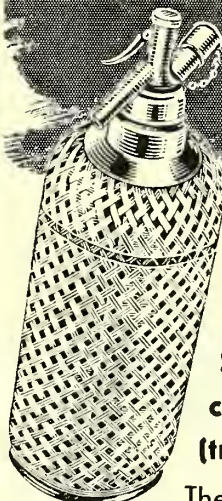
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SPARKLET

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12/6 (P.A.T.A.)

THE *Streamline*

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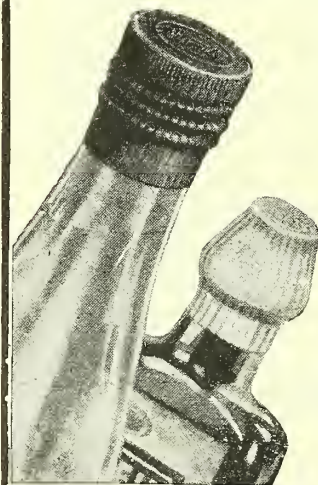
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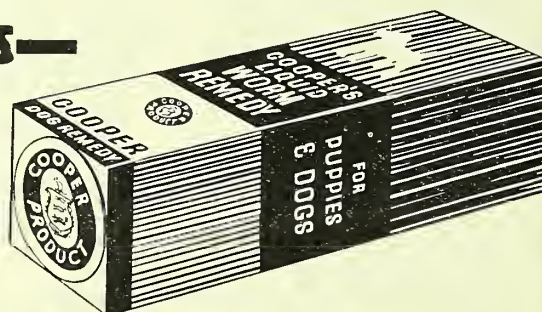
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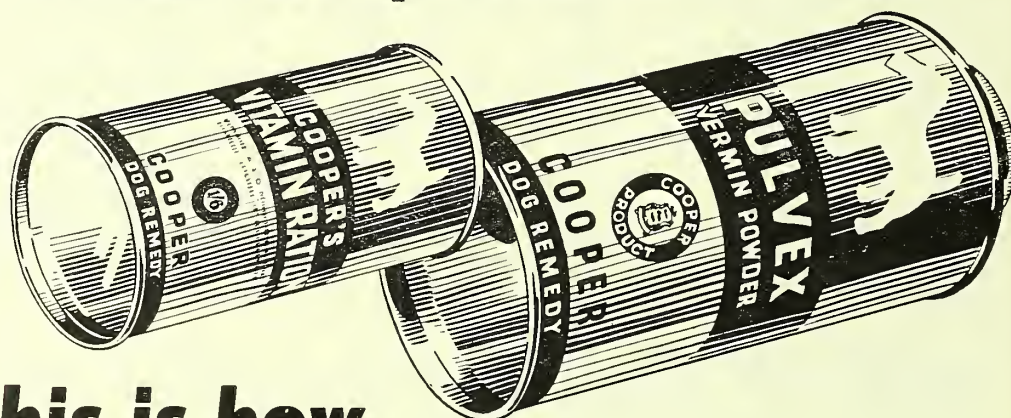
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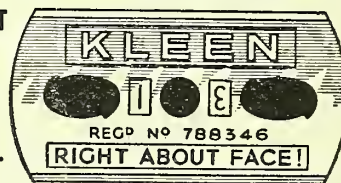
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The Directors of Thomas Keating Limited regret that owing to the rise in cost of raw materials they are unable to continue the display terms at present in force. These will be withdrawn on May 16th next.

----- AFTER THIS DATE THE FOLLOWING TERMS WILL APPLY -----

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News of the Week

Increased Import Duty on Lithopone

On the recommendation of the Import Duties Advisory Committee the Treasury have made an order increasing the rate of duty on LITHOPONE from 20 per cent. *ad valorem* to £3 5s. per ton or 20 per cent. *ad valorem* whichever is the greater, with effect from February 2, 1938.

Parcel Post with Spain

Parcel post service with Spain has been reintroduced from February 1. The old rates of postage still apply, but parcels can be accepted at sender's risk only. No compensation will be payable in respect either of loss or damage. In present circumstances parcels addressed to places in Government territory must be plainly marked "Via France," and those for destinations in insurgent territory "Via Portugal." The name of the province must also appear in the address. The service is limited to Continental Spain, and does not include the Balearic Islands.

Business Changes

MR. M. MATTINSON LAMB, Ph.C., has commenced business at 14 Skinnergate, Darlington.

MR. B. H. BUTLER, M.P.S., 195 London Road, Reading, has taken over the business of the late Mr. A. J. Swanson, M.P.S., Erleigh Road.

MR. P. J. BALDWIN, M.P.S., Church Street, Reigate, has taken over the stocks, prescription books and recipes of Mr. H. Oram, Ph.C., 7 High Street.

LAUTIER FILS, LTD., manufacturing perfumers, have removed from Queen Street Place, London, E.C.4, to their new factory and offices at Power Road, Chiswick, London, W.4.

Dangerous Drugs Acts, 1920-32

(From "The London Gazette," January 28, 1938)

CANCELLATION OF SUSPENSION OF WITHDRAWAL OF AUTHORITIES

DAVID DAVIDSON WATSON

Whereas in pursuance of the powers conferred upon the Secretary of State by Regulation 6 of the Raw Opium Regulations, 1921, as extended by the Coca Leaves and Indian Hemp Regulations, 1928, and by Regulation 7 of the Dangerous Drugs (Consolidation) Regulations, 1928, the authorities granted by the aforesaid Regulations to duly qualified medical practitioners to be in possession of and to supply raw opium, coca leaves and Indian hemp, and the drugs and preparations to which Part III of the Dangerous Drugs Act, 1920, applies, were by Notice published in "The London Gazette" and "Edinburgh Gazette" on March 3, 1931, withdrawn from David Davidson Watson, M.B., Ch.B., St. And.

then residing at Sealand, Queen's Ferry, near Chester, who had been convicted of an offence against the Dangerous Drugs Acts:

And whereas by the said Notice it was directed that it should not be lawful for the said David Davidson Watson to give prescriptions for the purposes of the Dangerous Drugs (Consolidation) Regulations, 1928:

And whereas the operation of the said Notice was by Notice published in "The London Gazette" and "Edinburgh Gazette" on December 29, 1933, suspended until further Order:

And whereas I am of opinion that the said David Davidson Watson cannot properly be allowed for the purposes of the Raw Opium, etc. Regulations, 1937, and the Dangerous Drugs Regulations, 1937, to remain an authorised person or to give prescriptions:

Now therefore I hereby cancel, as from to-day's date, the Notice of suspension published in "The London Gazette" and "Edinburgh Gazette" on December 29, 1933.

SAMUEL HOARE,

One of His Majesty's Principal Secretaries of State.

Whitehall, January 24, 1938.

Proprietary Articles Trade Association

We have been advised of the following additions to, alterations in, and deletions from the Protected List of the Proprietary Articles Trade Association, 43 Gordon Square, London, W.C.1. (The retail and wholesale prices quoted are the minimum selling prices fixed by the manufacturers and protected by the P.A.T.A.):—

ADDITIONS.—Alfred Bishop, Ltd., Bishop's pure sugarless liver saline, new size, 9d., 6s. 6d. doz.; six dozen, 6s. 3d. doz.; twelve dozen, 6s. doz. Crystal Products Co., Ltd., Outdoor Girl lip balm, 6d., 4s. 6d. doz. (subject to usual trade terms). Henry C. Miner, Ltd., Stick make-up, 6d., 4s. 6d. doz.; Milk of Olives, 6d., 4s. 6d. doz. (subject to usual trade terms).

ALTERATIONS.—Lanalog, Ltd., Lanalog hair food, all bonus offers withdrawn. Don S. Momand, Ltd., revised display discounts as from February 1. Alka-Seltzer brand tablets, parcel No. 1.—Display discount of 5 per cent. on orders for one dozen small and one dozen large size, or other assortment of sizes of equivalent value at trade prices, £1 7s.; parcel No. 2.—Display discount of 7½ per cent. on orders for two dozen small and two dozen large size, or other assortment of sizes of equivalent value at trade prices, £2 14s. Wholesalers receive commission of 5 per cent. on these parcels when supplied on their behalf direct to retailers.

CONTENTS

See p. 159

DELETIONS.—John Dew, Ltd., John Dew's milk soap; Vembrin Laboratories, Vembrin brand rheumatism tablets; North British Rubber Co., Ltd. (correction), black-coloured hot-water bottles, Super, not Unique series.

Bangor

N.P.U. BRANCH ACTIVITIES.—Eighty per cent. of the members of the Anglesey, North Carnarvonshire and Colwyn Bay Branch of the National Pharmaceutical Union gave a simultaneous window of a C.F. proprietary during the early days of January. Arrangements have been made for other simultaneous displays before March 28. Mr. W. J. Tristram, Liverpool, addressed the Branch on January 19 on "The C.F. Scheme and Other Activities of the N.P.U. Executive." He stated that the help given by branches was invaluable. Discussion followed about the N.H.I. contract, many expressing a dislike of the discounting clause.

BENEVOLENT FUND DANCE.—The annual dance of the Anglesey, North Carnarvonshire and Colwyn Bay Branch of the Pharmaceutical Society in aid of the Society's Benevolent Fund was held at Colwyn Bay on January 26. A whist drive was arranged for non-dancers. Prizes, kindly presented by various firms operating in the area and by representatives, were distributed at the end of the evening by Mrs. Llew. Thomas (wife of the vice-president of the Branch).

Bath

PHARMACY BALL.—The annual Bath pharmacy ball was held in the Grand Pump Room on January 27, the Bath Pharmacy Students' Association combining this year with the local branch of the Pharmaceutical Society. Dancing was from 9 p.m. to 2 a.m. Prizes provided by various wholesale houses were presented to the winners by Mrs. Hallett (wife of the president). The arrangements were in the hands of the social committee, with Mr. Lionel Williams as secretary. Those present included Mr. D. J. Williams, Ph.C., B.Sc. (Department of Pharmacy, Merchant Venturers College, Bristol), with a number of students. The M.C. was Mr. S. F. Adams, assisted by Mr. E. C. Hoskins (secretary of the Pharmaceutical Society Branch).

Birmingham

MIDLAND CHEMISTS' COMMITTEE.—The first permanent president to be elected under the rules of the Midland Chemists' Committee (a body formed in 1926 to secure co-operation between various chemical societies in the Midlands), is Mr. W. A. S. Calder (a director of Imperial Chemical Industries, Ltd.).

LADIES' COMMITTEE ORGANISE DANCE.—A dance (organised by the ladies' committee in connexion with the visit of the British Pharmaceutical Conference in 1939) took place on January 26. Novelty and spot dance prizes were won by Mesdames Cook, Foster, Taylor and Williams, and Messrs. Arnold, Davis and Pimm. Mr. A. E. Herington acted as M.C. During the evening Mrs. D. J. Rushton announced that a travelling rug, raffled by Mrs. F. Smith and won by Mr. Kenneth Marshall, had realised £2 for the Conference Fund; on behalf of Mrs. E. W. Mann (chairman) Mrs. Rushton thanked the donors of the prizes.

Blackburn

PRICING BUREAU MEMBERS ENTERTAINED.—The Mayor entertained representatives for Blackburn, Burnley, Blackpool, Bolton, Bury, Barrow, Oldham, Preston, Rochdale and Westmorland on the Prescription Pricing Bureau recently. He said the area covered dealt with over two and a half million prescriptions annually. Blackburn had the highest number of prescriptions per insured person, the highest total cost per insured person and the highest cost per prescription. One reason might be the high proportion of female labour employed in the town, nearly half the insured population being women. Women's claims for sickness benefit far exceeded those of men.

At the annual meeting of Blackburn Hairdressers' Association, on January 26, one speaker referred to the efforts being made by certain manufacturers to exclude small retailers from direct trading, "thereby compelling them to obtain their supplies from wholesale chemists." The chairman (Mr. G. W. Smithson) said he did not like this policy at all. The chemists

had, he alleged, infringed on beauty trade commodities far more than hairdressers had infringed on the special lines of the pharmacist, and the present policy of manufacturers was "the thin end of the wedge." He was surprised recently to see quite a number of hairdressers' lines in the stock-in-trade of mill trading clubs. This was grossly unfair, and the pharmacists would be better engaged defeating this type of trading rather than trying to get all retail custom into their hands. He was reliably informed that in Blackburn alone last year club trading amounted in value to over £6,000.

Blackpool

GOLFING SOCIETY.—The annual general meeting of the Blackpool Chemists' and Photographic Dealers' Golfing Society was held on January 27. The secretary, in a report on the year's working, stated that the society had now a membership of thirty-nine; during the past year nine meetings had been held. The following officials were elected for the ensuing year.—*Captain*, A. Barnes; *Vice-captain*, C. Cornforth; *Treasurer*, E. Rickman; *Secretary*, H. H. Moorhouse; *Committee*, Messrs. Rothery, Sidebottom, Tattersall, Dickenson, Dowty, Ellis. A vote of thanks was passed to manufacturing houses which had given a number of prizes. Golfing pharmacists or representatives of wholesale houses who would like to join the Society should make application to Mr. H. H. Moorhouse, 109 Dickson Road, Blackpool.

DINNER AND DANCE.—The Blackpool Branch of the Pharmaceutical Society held a dinner and dance on January 26. Proposing "The County Borough of Blackpool," Mr. S. C. Coope (president) said he was pleased they had one of their number on the Town Council in Councillor D. J. Bailey, who was chairman of the health and education committees. Councillor Bailey, in reply, expressed the opinion that chemists did not play a big enough part in the municipal administration of Blackpool. In a toast to the Pharmaceutical Society, Mr. F. H. Stuttard (vice-president) contended that chemists had gained something from the Pharmacy and Poisons Act, 1933, but what they had gained ethically did not balance what they had lost in practice. Responding, Mr. P. F. Rowsell, C.B.E. (a member of the Society's Council), stressed the point that the Pharmacy and Poisons Act had been and would be beneficial to their calling. Dr. L. Smith (president, Blackpool Branch, B.M.A.) replied to the toast of "The Medical Profession" proposed by Mr. T. Durkin. Mr. H. A. Johnston, Larne, welcomed the ladies, Mr. F. Hainsworth, responding.

Bradford

SOUND FILMS.—A general meeting of the Bradford and District Branch of the Pharmaceutical Society was held recently. Two sound films—"The Wonders of the Microscope" and "The Scourge of Humanity"—were shown, films, machine and operator being lent by Bayer Products, Ltd. A vote of thanks to Messrs. Bayer was moved by Mr. J. A. White (Jun.), and seconded by Mr. Geldard. Mr. Edenborough (Manchester branch manager) replied.

Colchester

N.P.U. BRANCH INAUGURATED.—Mr. J. Evans, Cambridge, addressed a recent meeting of the Colchester Chemists' Association, convened with a view to forming a branch of the National Pharmaceutical Union. Mr. Evans enumerated the advantages and pointed out that the Colchester Association was the oldest in England, having been formed in 1840, Aberdeen (1839) being the oldest in the British Isles. After a discussion the suggestion was unanimously approved. The following officers were elected:—*Chairman*, Mr. McBryde; *Vice-Chairman*, Mr. Palmer, Clacton; *Treasurer*, Mr. Grimwade; *Secretary*, Mr. G. Robinson. The branch having been formed, certain resolutions were sent up to N.P.U. headquarters for consideration at the Pharmaceutical Committee's conference. It was hoped that at least a 50 per cent. increase in N.H.I. fees would be asked for, with additional fees for prescriptions for mixtures over 8 oz. in amount; also that patients should buy or bring their own bottles, and that no bottles should be returnable. A vote of thanks was passed to Mr. Evans.

Hereford

MEETING AND SUPPER.—A meeting and supper of the Worcestershire and Herefordshire Branch of the Pharmaceutical Society was held at Hereford on January 20.

The president and secretary (branch representatives at the Liverpool Conference) gave their reports. The organisation of classes in anti-gas measures for pharmacists was discussed. From inquiries sent out the secretary reported that it seemed probable such classes might be formed in at least two centres (Worcester and Hereford) in the near future. At supper, which followed, the guest speaker was Mr. W. S. Howells (a member of the Society's Council), the chair being occupied by the president (Mr. Lewis Smith). Mr. Howells gave a comprehensive review of the activities of the Society during the past twelve months, urging loyalty to the parent body, the Branch, and fellow pharmacists, and appealing on behalf of the Benevolent Fund. After an open discussion the meeting closed with a vote of thanks to the president, who has consented to remain in office for a further session.

Hull

STUDENTS' PARTY.—A party arranged by a special committee was held by the Hull Pharmaceutical Students' Association in the Builders' Exchange, West Street, Hull, recently. The M.C. for games was Mr. B. Johnson, and for dancing Mr. J. Reeder.

LECTURE BY DR. LINNELL.—A lecture on "The Production of New Synthetic Drugs" was given to members of the Hull Chemists' Association and Pharmaceutical Society Branch on January 18 by Dr. W. H. Linnell (Head of the Chemical Department, College of the Pharmaceutical Society). Dr. Linnell was introduced by the Association's president (Mr. A. Surfleet), and gave a learned survey of drug production, with lantern-slide illustrations.

Liverpool

ADDRESS ON CHEMICAL STRUCTURE.—An address on "The Chemical Structure and Physiological Action of Drugs" was given by Dr. H. Raymond Ing (pharmacological department, London University) to members of the Chemical Society, Liverpool University, on January 28. The lecturer said that drugs did not create new functions but increased or decreased some normal activity. Consequently the mechanism of drug action must be related to some pharmacological action. Was it possible for drugs of different structure to have similar pharmacological properties, or for drugs of similar structure to have different pharmacological properties? The answer to the first question was "Yes," but the mechanism might be different. In regard to the second question, if they knew the exact mechanism of the drugs they might be able to differentiate. Two narcotics, he said, produced a negative result, but a combination of a narcotic and a cyanide did not. The quantitative side of the subject was more complicated. Lævo-cocaine had 5-10 times the toxicity of dextro-cocaine for subcutaneous injection, but the two had the same toxicity for intravenous injection.

LECTURE ON CRIME TESTS.—"Some Forensic Cases of Scientific Interest" was the subject of an address, illustrated by lantern slides, by Dr. W. H. Grace, M.D., D.P.H. (pathologist, Chester Royal Infirmary), to the Liverpool Chemists' Association on January 27, the president (Mr. John Rae) in the chair. Dr. Grace said the science of forensic medicine was of comparatively recent growth. In the elucidation of crime the two things which were generally found of importance were hair and blood. The lecturer described in detail how hair should be examined for medico-legal purposes, pointing out the limitations of conclusions that could be drawn from such an investigation. The determination of the origin of blood had advanced, he said, to a high degree of efficiency. Dr. Grace explained in detail the precipitin reaction and the high degree of specificity it gave. He explained how, with the aid of the spectrograph, accurate qualitative chemical analysis could be made of tiny fragments of material. The spectrograph was useful in coining cases, and in determining the chemical composition of material found on motor-cars involved in fatal accidents. Replying to a question, Dr. Grace said it was not possible to distinguish between male and female blood at present. It was possible, by a study of the hair, to distinguish between chronic and acute arsenical poisoning. Mr. G. L. Clubb proposed, and Mr. J. G. Wallbridge seconded, the vote of thanks to Dr. Grace. A vote of thanks to Mr. M. S. Hughes, the lanternist, concluded the meeting.

London

WESTERNERS' DANCE.—At a dance held by the Western Pharmacists' Association on January 26 two raffles were arranged. One of the prizewinners (Mrs. C. A. Noble) gave back her prize, which was auctioned by Mr. W. T. Pratt, the sale realising 17s. 6d. The profits of the dance (over £25) will be donated to the Pharmaceutical Society's Benevolent Fund.

IN THE COURTS.—At Clerkenwell Police Court, on January 28, David F. Dicker, a packer, was put on probation for twelve months for stealing goods from his employers, Sangers, Ltd., Euston Road.—At Marylebone Police Court, on January 28, Robert E. Clement and Thomas R. Brookins were sentenced to three months' and one month's imprisonment respectively on charges of being in illegal possession of heroin.

NORTHERN SUPPER-DANCE.—The North Metropolitan Branch of the Pharmaceutical Society held a supper-dance in the small Queen's Hall, W.1, on January 20. The president (Mr. G. A. Tocher) welcomed about 150 guests. Mr. Tocher paid tribute to the zeal of the secretary (Mr. A. E. Footitt) and his social committee. A small donation to the Society's Benevolent Fund was made from the proceeds.

Among those present were Mr. Clifford Evans and Mr. Frank Noble (secretary and social secretary, Western Pharmacists' Association); Mr. Hooper (secretary, North-East Pharmaceutical Association) and Mrs. Hooper; Mr. and Mrs. H. Skinner; Mr. and Mrs. J. C. Young; Miss Hodgkinson; Mr. Vivian C. Hewlett; Mr. G. F. Weiss and Mr. J. J. Tyrell. During the evening "spot" prizes were presented by Mrs. H. Skinner to Mr. and Mrs. A. Aldington; Mr. and Mrs. H. Burtenshaw; Mr. and Mrs. W. J. Woodley; Mrs. Woodridge and Mrs. Pickford.

NORTH-EAST LONDON BRANCH.—A meeting of the North-East London Branch of the Pharmaceutical Society was held on January 20, the president (Mr. A. F. Huggins) occupying the chair and introducing the speaker, Mr. Lynes (a member of the Air-Raid Precautions section, St. John Ambulance Association) who spoke on "Air-Raid Precautions and Anti-Gas Treatment." The three types of official respirators were shown, demonstrated and explained, and details were given of the essentials for gas-proofing rooms, and of decontamination squads. In the discussion which followed Mr. Lynes explained that it was the job of the Local Government Authority to provide facilities for dealing with the civilian casualties. The St. John Ambulance Brigade and the British Red Cross Society were, he said, expected to constitute the first line of defence in posts established throughout the district and to be connected by ambulance with the local hospitals, which would act as casualty clearing stations. It was likely that local doctors would, in the event of a raid, be centralised at the hospitals. A vote of thanks was moved from the chair and received with acclamation.

Manchester

AIR-RAID PRECAUTIONS CLASSES.—At a joint meeting of the Manchester Pharmaceutical Association and Branch of the Pharmaceutical Society on January 27, Mr. J. H. Franklin in the chair, Councillor Douglas Gosling (chief city warden) and Inspector Richardson (head of the City Air-Raid Precautions Department) explained what had already been done towards protecting the public against potential air attack. Inspector Richardson said the Chief Constable was prepared to organise air-raid precautions classes for members of the Association and Branch. He explained the scope of the classes and the duties of city wardens. On the proposition of Mr. E. Walters, both speakers were accorded a vote of thanks. It was decided to accept the offer of the chief constable and enrol members at once, so that the classes could be started in the near future. The classes will be held on Mondays and Tuesdays from 8.45 p.m. to 10.45 p.m., spread over a period of five weeks. Alternative classes may be arranged for Wednesday afternoons if a sufficient number of members state their preference for this time. Any members not present at the meeting who wish to take advantage of the course may obtain forms of enrolment on application to the secretary (Mr. T. Miller), 3 Wyngate Road, Hale, Cheshire, to whom the completed forms should be returned. The opening date will be announced later.

Newcastle-upon-Tyne

WHIST DRIVE AND DANCE.—Newcastle District and Northumberland Branch held their annual whist drive and dance recently. Whist commenced at 7.30 p.m. and dancing at

8 p.m., continuing till 1 a.m. with a break for dinner at 10 p.m. The successful whist players were:—*Ladies*, 1, Mrs. H. Bullions; 2, Mrs. N. Marshall; consolation, Mrs. Brad-dock. *Gentlemen*, 1, Mr. Wm. Ritchie Brown; 2, Mr. Hutchinson and Mr. Marshall (tied); consolation, Mrs. McGregor (playing as gentleman). Mrs. R. Hay (wife of the president) presented the prizes.

Norwich

ADDRESS ON FOOD RESEARCH.—At a meeting of the Norwich and District Branch of the Pharmaceutical Society recently, Mr. B. W. Dewing in the chair, Dr. S. H. Edgar, M.Sc., Ph.D., A.I.C. (research laboratories, J. & J. Colman, Ltd.) spoke on "Some Aspects of Modern Food Research." He referred to experiments in India upon races living on widely differing diets and having equally varied types of physique. A comparison was made of diets for amount and quality of protein; quality of cereal grains; quality and quantity of fats; vitamin content; and balance of the food as a whole. Colonies of rats were given diets corresponding to those of the Sikhs, Bengali, Pathans and Madrassi races. The average Bengali or Madrassi consumes, said the lecturer, little milk, often little meat, little protein, fresh fruits or vegetables. The results were definite. Rats on the Sikh diet grew most, on the Pathan next, then the Bengali and lastly the Madrassi. Rats fed on a Travancore diet of high tapioca content (29 per cent.) developed peptic ulcers, whilst the Sikh rats were entirely free. These experiments were followed by feeding rats on a similar diet to that of the English poorer class (white bread, margarine, oversweetened tea with little milk, boiled cabbage and potatoes, tinned meat and jam of the poorer sorts). These rats had stunted growth, bad proportions, dull coats, were nervy and apt to bite, and suffered to a large extent from lung trouble or digestive disease. Dr. Edgar described at some length the use of carbon dioxide in preserving various foods and mentioned the use of ethylene for ripening apples. He then gave a short talk on vitamins. At the conclusion Mr. Dewing asked what was the effect of excess of vitamin D, and why the protein portion of the human diet should consist of at least 50 per cent. of animal proteins. Dr. Edgar replied that excess of vitamin D, providing calcium was present, led to excess calcium being deposited in the bones and later in the tissues until the subject died of petrification. In the absence of calcium the bones were slowly deprived of calcium to keep up the calcium content of the blood. All proteins split up in the body into aminoacids; animal proteins yielded these in the correct proportions for human requirements. Vegetable proteins did not give these proportions, and must therefore be taken in larger quantities.

Nottingham

ELECTION OF OFFICERS.—At the annual general meeting of the Nottingham and District Branch of the Pharmaceutical Society, recently, the following officers were elected:—*Chairman*, Mr. H. T. A. Gretton; *Vice-Chairman*, Mrs. I. M. Wright; *Treasurer*, Mr. H. Middleton; *Secretary*, Mr. F. A. Bates; *Assistant Secretary*, Mr. C. E. Reynolds. The following resolution was passed: "This branch deeply regrets the prosecution of one of its members and requests that in future the Pharmaceutical Society will take steps to prevent such prosecutions. It is the opinion of members of the Branch that offenders should have an opportunity to explain their case before it is dealt with by the Law Committee and that technical offences inadvertently committed could be justly dealt with by a warning letter." It was decided to hold an extraordinary general meeting in February to consider an alteration in the rules.

Oxford

LECTURE ON HORMONES.—Mr. J. A. Deacon presided at a meeting of the Oxford and District Branch of the Pharmaceutical Society on January 19, when an address was given by Dr. J. Stanley White on "Hormones." Dr. White emphasised the importance of the anterior pituitary gland, which appeared to have at least eleven functions, though this did not necessarily mean that the gland elaborated eleven different hormones. The lecturer, with the aid of lantern slides, demonstrated the effect of the growth and sex hormones. Dr. White drew attention to the remarkable similarity in chemical structure between the sex hormones, the carcinogenic hydrocarbons, and vitamin D. The president expressed the appreciation of the meeting.

Plymouth

VISIT TO WORKS.—Thirty-five members of the Plymouth Technical College Pharmacy Club visited the factory of Parke, Davis & Co. at Hounslow recently. The students were entertained to luncheon, and then shown over the works. After tea, Mr. Freeman gave a short lantern lecture on biological products and a film showing the preparation of diphtheria antitoxin. Dr. Royle expressed his appreciation of the visit, and Mr. H. A. Rowe proposed a vote of thanks to Parke, Davis & Co. on behalf of the visitors, and was supported by Mr. R. Marrow.

Scarborough

ELECTION OF OFFICERS.—At the annual meeting of the Scarborough and District Branch of the Pharmaceutical Society, held at Scarborough on January 28, the following officers were elected:—*Chairman*, Mr. W. A. Rawling; *Vice-Chairman*, Mr. G. H. Meadley; *Secretary and Treasurer*, Mr. H. M. Hirst; *Committee*, Misses Hill and Wrightson, Messrs. Fawcett, Smith, Graham and Devonshire; *Auditors*, Messrs. Scott and Owston.

Stoke

RISKS OF ROYALTY.—The advantage of being "common clay" at certain periods of history was hinted by Dr. C. Gordon Lewis in an address to the North Staffordshire Branch of the Pharmaceutical Society, recently, on "The Deaths of the Kings of England." Dr. Lewis gave a tabulated list of the Kings of England from William I to George V, which he had himself compiled, showing the manner in which each died, and suggested that in many instances the patient's chances of recovery had been considerably lessened by faulty treatment by doctors whose knowledge of medicine consisted chiefly of witchcraft. The chairman (Mr. Howard Moorby) introduced the speaker. A vote of thanks was proposed by Mr. W. Stanier and seconded by Mr. Fresson.

Watford

ANNUAL DINNER.—The annual dinner of the Watford and St. Albans Branch of the Pharmaceutical Society was held at Watford on January 26, Mr. P. H. Warren (chairman) presiding. Among the guests were the Mayor and Mayoress of Watford, Mr. McNeal (a member of the Society's Council) and Mrs. McNeal. The toast of the local branch was given by the Mayor and replied to by the chairman, who also welcomed Mr. McNeal and the representatives of the wholesale trade present. He made a strong appeal to all members present to try and attend the Pharmaceutical Conference at Edinburgh later in the year. Mr. Last, proposing "The Pharmaceutical Society," gave an outline of the history of pharmacy, both before and after the formation of the Society. Mr. J. F. McNeal referred to the committee of inquiry which had been formed. As a result of the inquiry it was felt that they would have a complete knowledge of everything that the Society could call assets. He stated that the Council of the Pharmaceutical Society had proposed that in the event of another war a Corps of Pharmacists should be formed. The toast "Ladies and Visitors" was proposed by Mr. A. Sumner and responded to by Mr. C. Cooke Jones and Mrs. P. H. Warren.

Miscellaneous

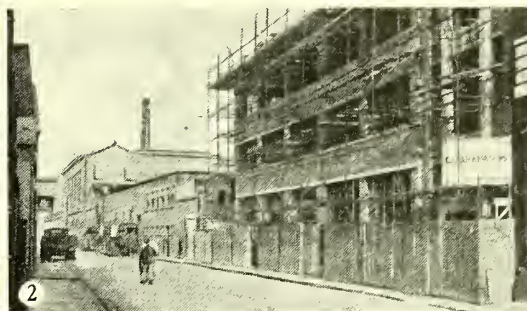
INQUEST.—At Braintree, on January 25, an inquiry was held concerning the death of a schoolboy named Wilson. A verdict that death was due to drinking a quantity of potassium cyanide solution was recorded.

CHECK ON WATER SUPPLIES.—The executive of the British Association of Chemists has addressed a letter to the Minister of Health regarding supplies of water for domestic purposes. The letter continues: "... there is no official check as to the quality or suitability of the water supplied nor is there any insistence that those who supply water for this important service should maintain efficient laboratories and staff for the proper testing of the supply. This Association feels very strongly that such a grave defect in public administration and responsibility should be rectified with all possible speed and that if necessary suitable legislation should be introduced, empowering your Department to order that every water company in the country, large or small, should have the resident services of sufficient chemists to ensure the maintenance of a suitable standard of purity. . . ."

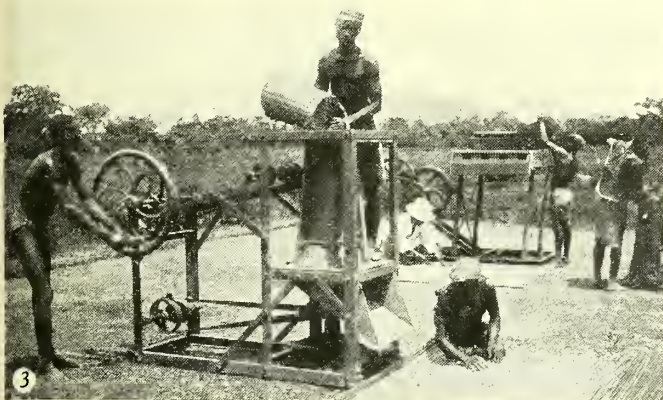
News in Pictures



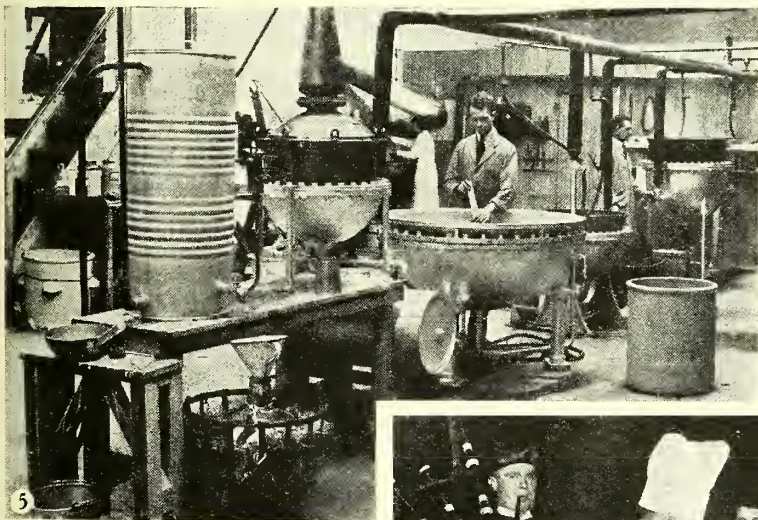
1. DUBLIN DANCE—Group at the dance of the Pharmaceutical Chemists and Students, Metropole Ballroom (see report, p. 150).



2. NEW OFFICE AND DISPATCH BLOCK for STAFFALLENS—View of building operations at Wharf Road, London, N.E.



3 & 4. CASTOR SEED CULTIVATION—Gathering (right) and (left) decorticating Castor Seeds at a plantation at Savalon, Dahomey, French West Africa.



5. NEW MANUFACTURING LABORATORY AT BLACKBURN—View at works of C. A. Critchley and Co., Ltd.

7. PIPING IN THE (PHARMACEUTICAL) HAGGIS—Mr. T. Marns (Pharmaceutical Society President) and Mr. T. Guthrie (Vice-President) among the guests at a Burns Night supper of the Glasgow and South-Western Scottish Branch (see report, p. 150).



Two to Four Years of COLLEGE

When a young man or woman aspires to the Medical profession, it is necessary that a solid groundwork of education be laid, on which to build scientific knowledge. After high school, two to four years of college preparation is required for entrance to Medical Schools. Entrance requirements are becoming more rigid each year.

During these pre-medical school years, the embryonic doctor matures in studies bearing directly on his medical training, such as Latin, chemistry, biology, physiology and physics.

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PRINTED IN U.S.A. 2 OF 4 SERIES "PILLARS OF MEDICAL EDUCATION" 1937

6. AMERICAN PHARMACISTS ADVERTISE DOCTORS—An example of a series of advertisements inserted by McCloskey Drug Co., Inc., Jersey City, in local newspapers, to call attention to the costliness and difficulty of medical training.

Irish Notes

Pharmaceutical Society of Ireland

CALENDAR.—The Calendar of the Pharmaceutical Society of Ireland for the year 1938 has been posted to all subscribers during the past few days. Any subscriber who has not received his copy should communicate with the registrar (Mr. James J. Kerr). A book giving details of the laws governing pharmacy and the Regulations under the Pharmacy and Dangerous Drugs Acts will be sent to each member of the Society during the next month. This book (included in earlier Calendars) will not be published annually.

EXAMINATION RESULTS.—The following passed in the Assistants' examination held by the Pharmaceutical Society of Ireland in January:—J. J. Corrigan, J. Costello, P. Fanning, Miss H. V. Hession, E. P. Hughes, Miss M. E. Jennings, Miss A. McCarthy, J. J. Sheil, Miss F. K. Tobin, Miss J. F. Walsh.

Dublin

SUPPER-DANCE.—The Pharmaceutical Chemists' and Students' annual supper and dance was held in Dublin, on January 26. Over 600 sat down to supper, while dancing was continued up to the early hours of the following morning. "Spot" prizes were donated by leading manufacturing and wholesale houses.

The committee responsible consisted of Messrs. T. J. Gleeson (president), F. C. Kavanagh (vice-president), T. B. O'Sullivan (treasurer), S. O. Murchadha (secretary), B. O'Duffy and P. S. Lalor (M.C.s), T. Esmond, D. Murphy, D. O'Dwyer, P. A. O'Hara, M. J. Treacy, P. Rosney, W. Walshe. The large attendance included Mr. B. P. Hickey (president, Pharmaceutical Society of Ireland) and Mrs. Hickey; Mr. P. C. Cahill (vice-president, P.S.I.) and Mrs. Cahill; Mr. P. A. Brady (president, Irish Drug Association) and Mrs. Brady; the Lord Mayor of Dublin; Mr. S. C. McCauley; Mr. W. R. Such; Mr. and Mrs. C. J. Fielding; Mr. and Mrs. J. K. Whelehan, Mullingar; and Mr. James A. O'Rourke, Dun Laoghaire.

BENEVOLENT FUND DONATIONS.—The following is a complete list of donations received by the committee responsible for the recent dance at the Gresham Hotel, Dublin, in aid of the Benevolent Fund of the Pharmaceutical Society of Ireland:—

Sir Henry Hague (Wander, Ltd., England), £50; Mr. F. X. Meagher, M.P.S.I., Dublin, £5 5s.; Mr. F. Stafford, Tuam, £2 10s. 6d.; Irish Chemists' Golfing Society, £2 10s. (including 10s. from Mr. R. Bates (treasurer)); Mr. John J. Gaynor (solicitor), Dublin, £2 2s. Contributions of one guinea each:—Messrs. Jas. Fleming, Athlone; P. H. Fahy, Dublin; Gerald Boyd, Dublin; F. J. MacMahon, Blackrock; P. Flynn, Dublin; F. J. Fitzpatrick, Dublin; John M. O'Sullivan, Listowel; J. Suche, Dun Laoghaire; Michael Costello, Fairview; Duffy (Nyal, Ltd., Dublin); Cherron (Aspro, Ltd., Dublin); G. A. McLean Lee, Dublin; Rea, Phibsboro; J. Blair, Cork; J. Loughnane, Dublin; Wm. Finegan, Navan; Sir Thos. Robinson, Dublin; Hugh G. Smith, Dublin; and W. J. Adamson, Dublin; Dr. J. A. Mitchell, Dublin; Messrs. P. F. McGrath, Dublin; W. J. McKnight, Ballymahon; and Jos. K. Dargan, Drumcondra; Gaw, Ltd., Dublin; Messrs. Stanley Wilson, Ranelagh; and S. T. Smith, Terenure; Ayrton, Saunders & Co., Ltd., Dublin; Mr. Thos. P. Toher, Sligo. Donations of £1 each:—Messrs. B. F. Meehan, Edgeworthstown; Sylvester O'Farrell, Dublin; Wm. Birmingham, Drumcondra; T. Gleeson Burr and W. K. Bourke. Subscriptions of half-guinea each:—Miss R. McNeile, Dublin; Miss Eileen O'Byrne, Dublin; Messrs. Jack Healy, Drogheda; J. O'Hara, Dublin; Ronald Campbell, Dublin; David Wolfe, Kilcock; White (Hamilton Long & Co.); and B. R. Allshire, Glasnevin; Butler's Medical Hall, Ltd., Dublin; Messrs. T. J. Smith, Dublin; H. L. Mushatt, Dublin; L. W. S. Clarke, Dublin; J. A. Arthurs, Blackrock; J. P. Crowe, Sandycove; John Gleeson, Terenure; John Howard, Dublin; P. J. Maloney, Tipperary; J. J. Maye, Sligo. Donations of ten shillings each:—Messrs. R. V. O'Rourke, Rathdowney; R. O. Milne, Dublin; and A. Nelson Cole. Miss Irene Storey, Dublin, 5s.; Mr. T. A. Long, Ranelagh, 2s. 6d.

Londonderry

CHEMISTS' ASSOCIATION DANCE.—The fourth annual dance organised by the Londonderry Chemists' Association was held on January 28 in aid of the Chemists' Benevolent Fund and the funds of the local branch of the St. John Ambulance Brigade. Over seven hundred attended, including parties from Belfast, Enniskillen, Ballymena, Omagh, Strabane and Buncrana. The arrangements were made by Mr. E. D. Barr (secretary, dance committee), Mr. J. Buchanan (chairman and treasurer), Mrs. H. E. Young (president), and members of the ladies' committee. Messrs. J. A. E. Bassett, W. Taylor, W. Canning, W. Gamble and R. Young acted as M.C.s.

Scottish Notes

Dundee

STUDENTS' ASSOCIATION.—Dundee School of Pharmacy Former Students' Association held its annual meeting recently, when the following were elected officers:—*Hon. President*, Dr. D. McCall; *President*, Mr. G. Mitchell; *Vice-President*, Mr. G. Fraser; *Secretary and Treasurer*, Mr. W. E. Foote, 41 Glenprosen Terrace, Dundee; *Committee*, Misses E. Fyfe, E. Clark, M. Allardyce, C. D. R. Muir and Messrs. J. Tait, W. Hall and S. Smith.

Edinburgh

PHARMACEUTICAL CONFERENCE.—In connection with the Edinburgh meeting of the British Pharmaceutical Conference, the Lord Provost, Sir Louis Gumley, has intimated that the Castle will be floodlit for the benefit of the delegates from September 12 to 14 inclusive. The Bank of Scotland will also be floodlit. In addition to the reception by the Corporation, a reception will be given by the University of Edinburgh.

AIR-RAID PRECAUTIONS.—A meeting organised by the Edinburgh and East of Scotland Sections of the Institute of Chemistry and Society of Chemical Industry was held in the North British Station Hotel on February 1. An account was given of the precautions being taken locally against the possibility of air raids, and of the duties that may be voluntarily undertaken by chemists, particularly those of gas detection officers, who must be trained chemists.

Glasgow

BUSINESS EXHIBITION.—A Scottish Management Exhibition devoted to better selling methods and more effective means of production will be opened at the McLellan Galleries, Glasgow, on February 7.

SELLING OF DRUGS.—Glasgow Public Health Authority is to bring to the notice of the Government the desirability of restricting or controlling the sale of certain drugs. This follows a proposal by Councillor McCalman who gave notice of motion recently (*C. & D.*, January 15, 1938, p. 58) that the Public Health Committee should consider the advisability of the Corporation petitioning Parliament for powers of supervision in the city over unqualified persons selling drugs to the public. The Medical Officer of Health for Glasgow discussed the matter on January 29 with a subcommittee, and it was agreed to make representation to the Department of Health for Scotland and to the Home Office for protective legislation.

BURNS SUPPER.—The annual Burns Supper, held under the auspices of the Glasgow and South-Western Scottish Branch of the Pharmaceutical Society, took place on January 26 in the Gordon Restaurant, Glasgow, Mr. A. B. Gilmour, the branch chairman, in the chair. Others present were Mr. Thomas Marns, president of the Pharmaceutical Society; Mr. Thomas Guthrie, vice-president of the Society; Mr. J. H. Ramsay, vice-chairman of the branch; Mr. H. P. Arthur, honorary president; Mr. W. Spence Culbert; Mr. D. G. Mackenzie; Dr. J. Tait; Professor J. P. Todd. "The Immortal Memory" was proposed by the Rev. E. Sherwood Gunson. The chairman proposed the toast of "The Pharmaceutical Society." Dealing with the Benevolent Fund, he said that last year the Society had disbursed £6,000 in benevolence. The Fund was worthy of better support. Responding, Mr. Marns said he was looking forward to the September conference in Edinburgh. With regard to the Benevolent Fund, he pointed out that the Glasgow contribution was £123, an average of 1s. 8d. per head per annum. He appealed for greater support for the Fund and suggested that a penny a week scheme, such as operated in Cardiff, would produce results more in keeping with the reputation of Glasgow. The toast of "Our Guests" was proposed by Mr. J. H. Ramsay and replied to by Dr. Tait. Mr. A. Officer proposed "The Lasses O!" Miss E. F. Murdoch responding, while Mr. Guthrie proposed the health of the chairman. In the course of the evening Mr. D. G. Mackenzie recited Burns' "Address to a Haggis" and "Tam o' Shanter," and a musical programme was provided by Miss Campbell and Messrs. Ferguson and Dickson.

Indian Drug Import Bill

A GOVERNMENT of India Bill "to regulate the import into British India of drugs and medicines" was introduced recently before the Legislative Assembly. A statement of objects of and reasons included in the Bill declares that for some time previously the Government had been considering implementing the report of the Drugs Enquiry Committee, whose recommendations were based on "a vast volume of evidence," both written and oral, collected by the Committee, and had received "widespread support." The subject was debated in the Council of State in September 1935. The Bill expressly excludes such matters as the storage and sale of drugs, and the education and control of pharmacists (on all of which recommendations were made by the Committee), which are stated to be essentially matters for the provincial Governments. The Bill includes the following provisions:—After a date fixed by the Central Government it will be illegal to import into British India any drug not of the standard of quality laid down; any misbranded drug; or, except under licence, any patent or proprietary medicine the formula of which is undisclosed. Exceptions are made of samples for test or analysis. The Central Government is empowered to lay down standards for any drug not specified; prescribe the conditions of the licence and the fee to be paid; prohibit the import of any drug except under licence; prescribe packing and labelling conditions (which may require the name of any drug to be conspicuously printed); limit the proportion of any poisonous substance to be incorporated in any medicine; and prohibit the import of any biological or organo-metallic compound after a prescribed period

from the date of its manufacture. The maximum penalty for a first offence is 500 rupees and for subsequent offences 1,000 rupees. In an appended Schedule of Standards, the standards given in the British Pharmacopoeia, British Pharmaceutical Codex or Extra Pharmacopoeia are laid down for drugs and medicines capable of standardisation, other than vaccines, sera and other biological products, for all of which the standards adopted by the Permanent Commission on Biological Standards of the League of Nations, or the standards of the B.P., are taken, and organo-metallic compounds, for which International or B.P. standards are accepted.

Mr. W. J. Campbell, M.P.S., Lahore, in a letter to the "Civil and Military Gazette" (January 9, 1938), criticises the Bill, which in his view has received insufficient publicity. There is no object in controlling imports, he writes, while spurious and adulterated drugs manufactured in India go uncontrolled. While drugs manufactured in India are subjects for provincial measures, he contends that legislation concerning them should be uniform throughout India. Drugs of commercial quality, costing less than the pure article, would continue to circulate, thus affording no protection to the consumer. He criticises the Bill for conferring dictatorial powers on the Government by enabling them to lay down rules by simple notification in the official Gazette, and declares that any Bill dealing with imports should be postponed until a Bill dealing with drugs and pharmacy on a nation-wide basis has been introduced and passed.

Topical Reflections

By Xrayser

Machinery in Pharmacy

Your pharmaceutical machinery issue of January 29 compels admiration; and though I am one of the least gifted of people on the mechanical side I can appreciate the labour involved in assembling and collating the varied information now placed at your readers' disposal. There is a legend of Professor Robert Bentley stoutly declaring on some occasion—*Athanasius contra mundum*—that a certain root or bark (the name of which I have forgotten) could be powdered without mechanical aid; obtaining a bell-metal pestle and mortar, he proceeded to pound vigorously but with a painfully inconclusive result. I think we must recognise that a day arrives, in the history of every growing business, when the introduction of machinery is likely to be fully justified, both from the point of view of economy and from that of scientific control. A retail chemist may have, for instance, one proprietary which stands out from the rest as having caught the popular fancy in a special degree, and the putting up of this article is beginning to call for accommodation on a larger scale. Then is the time to adopt a reasonably bold policy. Or a retailer may need the help of your last week's issue in advising customers. I have in mind the case of a retired business man who lately purchased a house in the country and found the water of the well unpleasantly hard: in such a case your article on water-softening plant (pp. 130-132) would have been very helpful to the pharmacist who was asked for his opinion.

Prestige

By his address to the West Metropolitan Branch of the National Pharmaceutical Union (p. 119) Mr. G. A. Mallinson has fully qualified as the guide, philosopher and friend of pharmacy. He has long been the first and third of these: he now takes equal rank as the second. Realising that a condensed version of a speech may mislead, I do not intend to comment at any length on Mr. Mallinson's remarks; I should like to suggest, however, that we all walk warily in the matter of prestige, which is one of what Bismarck called the "imponderabilia" of public life. The scornful designation of pharmacists by an eminent civil servant of a former generation—a designation I do not propose to repeat—has left a bad impression with me ever since I first heard it many years ago; and I am not aware that our position in relation to Govern-

ment departments has altered much since then. As recently as January 28 I read in a London morning paper the following: "Of the forty-seven successful candidates [in the latest examination] for the Home Civil Service only five chose industry and trade. . . . It is a strange commentary on the required equipment of the new civil servant that of the fifteen successful candidates for the Consular Service and the Department of Overseas Trade not one chose industry and trade." So where do we stand in this matter? If there is sufficient driving force behind the decisions reached by the Conference of Pharmaceutical Committee representatives on January 26 (p. 117), enhanced prestige, I venture to think, will be one of the results. I am entirely in agreement as to the undesirability of having seven chemists' associations in one area, each with a different secretary.

Another Trade Marks Bill

Welcoming as I do your lucid exposition of the provisions of a new Trade Marks Bill, I am yet beginning to wonder whether so much legislation on any matter of public concern is really necessary, especially when the time of Parliament is heavily engaged. The Register of Trade Marks was brought into existence by an Act passed in 1875. We have had to make ourselves acquainted with the provisions of amending Acts of the years 1883, 1888, 1905 and 1919; and now you break the news that the Act of last year is intended never to come into force but to be kept in a state of suspended animation, presumably retaining its viability—till a further Bill has become an Act. Was, then, the Act of 1937 a mere scaffolding? I can understand the occasional need for what a Government official once described to me as "tidying up" an Act or Acts showing loose ends; but in the case before us the process arouses the questioning instinct. I read in your article, to take a few examples at random, that Clause 4 of the new Bill reproduces Section 15 of the Act (of 1937, *bien entendu*); that Clause 15 reproduces Section 4; and that Clause 28 reproduces Section 8. I am reminded of a once-popular song the title (or was it the refrain?) of which was, "If you can't walk straight, walk sideways;" and next time I am disinclined to go out in rough weather I must amuse myself by tabulating these intricate changes of position. Let us hope that the Bill will not die of shock caused by exploratory operations.

Legal Reports

Damages for Acid Burns.—At Hamilton, on January 29, Sheriff Brown issued judgment in the action brought by Mrs. Annie Muir against Mrs. A. B. Stewart, M.P.S., Blantyre, and awarded £50 damages. Pursuer's case was that while a customer in defender's pharmacy she was burnt on the face by nitric acid when the cork flew out of a bottle intended for another customer. The defence was that all reasonable care had been taken. Mrs. Stewart had asked the customer what the bottle had previously contained, and he replied "Nitric acid." She warned the customer to be careful. Sheriff Brown held that the accident was due to the fault of the defender in respect that before using the bottle she failed to satisfy herself that it was a suitable receptacle for nitric acid. In a note attached to his judgment he remarked, "It is important to keep in view that the defender is a qualified chemist and she must have known of the care which is required in the handling of nitric acid. She was under an obligation to see that the acid supplied to her customer was placed in a container suitable for the purpose. It is proved by facts that the container was not suitable. The result of the evidence is to show that if the bottle had been thoroughly cleaned the accident would not have occurred. It was argued for the defender that she was entitled to rely on the assurance which she obtained from the customer. In my opinion the defender's obligation was not discharged by making this inquiry and receiving the answer. I think she was bound to satisfy herself that the bottle was clean and safe to put nitric acid into."

Interim Injunction.—An action by the County Chemical Co., Ltd., v. J. H. Taylor came before Mr. Justice Simonds in the Chancery Division of the High Court, London, on January 28 on a motion for an interim injunction to restrain infringement of the plaintiff's registered trade mark "Brylcreem," and passing off. Mr. Lloyd Jacob, for the plaintiffs, stated that the defendant kept a retail stall in the provinces and the evidence was that in response to requests for "Brylcreem" he had passed off hair cream not of the plaintiff's manufacture. Defendant did not appear, and his lordship granted an injunction ex parte for a week. Mr. Lloyd Jacob said that the defendant would be communicated with meanwhile to see if they could put an end to the action.

Pharmacy and Poisons Act Cases.—At Ashington, Northumberland, recently, Robert Gordon, newsagent, was ordered to pay £3 13s. 6d. costs in connexion with charges of selling tablets containing ephedrine without being an authorised person, and supplying them in a container not properly labelled.

At Stratford Police Court, on January 19, Donald I. Sparkes, of 43 Woodgrange Drive, Southend-on-Sea, was summoned at the instance of Miss Marjorie Marrable on behalf of the Pharmaceutical Society of Great Britain for unlawfully selling by retail at Green Lane, Becontree, a poison contained in Part I of the Poisons List of 1935, namely, mercuric oxide, such poison being in a container not labelled in the prescribed manner. On a second summons it was alleged that defendant, not being an authorised seller of poisons, did unlawfully sell by retail a poison, mercuric oxide, contained in ointment. The bench dismissed the summonses on payment of costs.

At Gateshead, on January 19, Joseph A. C. Roberts, Blaydon-on-Tyne, was charged under the Pharmacy and Poisons Act, with selling at his shop in Back Row, Whickham, a preparation which contained ephedrine while not being an authorised seller of poisons, and further with retailing the preparation in a container not labelled in the prescribed manner. For defendant it was submitted that he had been ill for four months, and was unable to visit his premises. The whole matter had arisen out of an error by an assistant. He was ordered to pay £1 11s. 6d. costs and fined a total of £2.

At Stamford, Lincs., recently, Joseph H. Taylor, Blackpool, was fined £5 for using the description "chemist" in connexion with the sale of goods when he was not a registered pharmacist. According to police evidence, defendant stood in the market displaying two large banners bearing the words, "Seven Oils. Taylors—Chemists. Perfume Gift," and that he was selling everything that could be bought in a chemist's shop. When asked if he was a registered chemist, Taylor said he was not, but represented a Manchester firm.

Stock Exchange Prices

£1 shares unless otherwise stated	Dec. 31, 1936		Dec. 31, 1937		Jan. 31, 1938	
	s.	d.	s.	d.	s.	d.
Allen & Hanburys, 7% Prefd. Ord.	26	3	26	0	26	3
Amalg. Dental Co., 8% Prefd. Ord.	27	6	25	6	27	0
Deferred £1	18	6	14	0	14	0
Aspro, Ltd., 5s. shares	18	9	16	6	16	9
Ayrton, Saunders & Co., 7½% Pref.	25	0	25	6	24	0
Beechams Pills, Deferred 5s. shares	63	0	58	9	55	0
Benger's Food, Ord.	38	0	39	6	39	6
Benzol & By-Products cum. part. Pref.	6	3	12	6	13	9
Berger (Lewis) & Sons, Ord.	73	1½	56	3	56	3
Blundell Spence & Co.	22	0	16	3	16	3
Boake (A.), Roberts & Co., 5% Pref.	22	0	22	0	21	3
Boots Pure Drug, Ord. 5s. shares	60	0	45	6	46	0
Boots Pure Drug, 7% "A" Prefd. Ord.	33	3	33	0	33	3
Boots Cash Chemists (S.), 6% "A" Prefd.	29	0	29	0	29	3
Borax Consol., Dfd. Ord.	35	6	27	0	29	3
Bovril, Ord.	27	3	26	6	26	3
Dfd.	24	3	22	6	22	6
British Industrial Plastics (formerly British Cyanides), Ord., 2s. shares	3	1½	2	7½	2	7½
British Drug Houses, The, Ord.	21	9	24	3	24	0
British Glues & Chemicals, 4s. Ord.	9	10½	5	9	5	10½
British Oil and Cake Mills, Prefd. Ord.	48	6	46	6	47	3
British Oxygen, Ord.	120	0	82	6	79	6
British Photo. Indus., 6% Cum. Pref.	4	0	3	6	3	6
Burt, Boulton & Haywood, Ord.	24	9	20	6	21	0
Bush (W. J.) & Co., 5% Pref. £5	110	0	105	0	102	6
Callard, Stewart & Watt, Ord.	12	0	4	6	5	0
Copee, McDougall & Robertson, Ord.	37	0	33	0	33	0
Crosfield (Joseph) & Sons, 6½% Pref.	28	9	30	0	30	0
Dubarry Perfumery, Ord. 1s.	3	4½	2	7½	2	9
7½% Pref.	26	3	22	6	22	6
Eno's Propriet'y, Ord. 5s.	8	10½	6	1½	5	6
Evans Sons Lescher & Webb, Ord. 6s. 8d. shares	5	3	5	3	5	3
" " " 6% cum. part. Pref.	8	3	7	9	7	9
Field (J. C. & J.), Ord.	27	6	23	9	23	6
Galloway (P. H.), Ord. 2s.	3	6	3	0	3	0
7½% Cum. Pref.	26	6	26	6	26	3
Genatosan, Ltd., 1s.	6	4½	6	4½	5	0
Gossage (William), 6½% Pref.	29	0	30	0	29	6
Greeff-Chemical H'dings, Cum. Pref. 10s.	11	9	9	6	10	0
Ord. 5s.	9	6	6	10½	7	6
Griffiths Hughes (Kruschen), Ord.	47	6	15	0	15	6
Groat & Co., Ord.	19	6	13	0	12	0
Hodders, Ord. 1s.	0	10½	0	9	0	9
Ilford, Ltd., Ord.	28	9	28	9	27	6
6% Pref.	26	9	25	6	25	0
Imperial Chemical, 7% Pref.	35	0	33	6	33	6
Ord.	41	6	35	0	33	1½
Intern. Sponge Importers, 6% Pref.	8	9	7	3	7	0
Knight (John), 25% Prefd. Ord.	107	6	100	0	98	9
Laporte (B.) & Co., Ltd., Ord.	123	9	90	0	92	6
Lever Bros., Ltd., 7% Pref.	33	6	31	3	31	9
" " 8% Pref.	34	9	33	3	33	0
" " 20% Prefd. Ord. 5s.	—	—	21	0	20	7½
Lewis & Burrows, Ord.	24	0	24	9	22	6
6% Pref.	22	6	22	0	20	7½
Liebig's Ext. of Meat, Ord. £5	£17½	—	£15½	—	£15½	—
Maclean's 6% Red Pref.	23	1½	22	9	23	0
Mellin's Food, 6% Pref.	2	6	1	6	2	0
Nathan, J. (Glaxo), 7% Pref.	25	7½	23	6	24	6
" " 8% Prefd. 10s.	13	6	13	0	13	0
" " Ord. 1s.	7	9	6	10½	7	3
Pears (A. & F.), 5% Deb. £100	£110	—	£110	—	£109	—
Reckitt & Sons, Ord.	115	0	103	9	108	0
Sangers, Ord. 5s.	28	6	23	0	22	7½
"Sanitas," The, Co., 9% Pref.	32	0	29	1½	30	3
Sanitas Trust, 10% partic. Pref.	30	0	29	4½	29	4½
Smith (Stephen) & Co., Ord. 5s.	10	9	10	9	10	6
Spratt's Patent, Ord.	67	0	58	9	59	3
Stevenson & Howell, 6½% Cum. Pref.	27	0	25	0	25	0
United Glass Bottle Man., Ord.	50	6	49	6	49	0
Veno Drug Co., 8% Pref.	27	9	24	9	25	6
Virol, Ltd., Ord.	28	9	31	3	30	0
7% Pref.	25	6	24	0	24	0
White (A. J.), Ltd., Ord. 10s.	21	6	18	6	18	3
White (Timothy) & Taylors, 7½% Pref.	31	9	29	9	29	6
Ord. 5s.	34	6	26	6	26	3
Woodlands Chemists, Ord. 5s.	1	6	1	0	0	9
Wright, Layman & Umney (1932), 7% cum. Pref.	23	9	24	0	23	9

Company News

P.C. means Private Company and R.O. Registered Office

CLARKES (WOLVERHAMPTON), LTD. (P.C.).—Capital £1,000. Objects: To acquire the business of a chemist and druggist carried on by F. S. Clarke at 1 Raynor Road, Fallings Park, Wolverhampton.

WESTON'S PHARMACIES, LTD. (P.C.).—Capital £100. Objects: To carry on the business of pharmaceutical chemists and druggists, etc. Solicitors: Kennedy Lindo & Co., 49 Queen Victoria Street, E.C.4.

CALCARR DOG FOOD CO., LTD. (P.C.).—Capital £500. Objects: To carry on business as manufacturers of and dealers in dog foods, veterinary equipment, etc. Fanny T. Carr and C. F. Carr, both of 26 Glenview Avenue, Bradford, directors.

CHARLES ROGER (LABORATORIES, 1938), LTD. (P.C.).—Capital £1,000. Objects: To acquire the business of makers of cosmetics and medical and perfumery appliances carried on by A. Metcalfe and Kathleen Kennedy at 12 Park Parade, Harrogate.

J. F. WHITE & Co., LTD. (P.C.).—Capital £11,000. Objects: To acquire the business of manufacturing chemists and patent medicine proprietors carried on by the trustees of the will of F. A. White, deceased, and Jas. F. White at Lovington Street, Leeds, as "J. F. White & Co."

S. HOHLY & Co., LTD. (P.C.).—Capital £100. Objects: To carry on the business of makers of and dealers in electrical and/or chemical appliances and goods of all kinds, etc. Fred Barnett, 13 Pollux Gate, Fairhaven, Lytham, St. Annes-on-Sea, director. R.O.: 12A North Lodge Road, Branksome, Bournemouth.

INDUSTRIAL GASES (SCOTLAND), LTD. (P.C.).—Registered in Edinburgh. Capital £20,000. Objects: To carry on the business of manufacturers and producers of oxygen, nitrogen, hydrogen, argon, neon, helium, acetylene, carbon dioxide, etc. D. A. Irvine, 37 Fitzjohn Avenue, Barnet; E. Carnegie, 32 Victoria Street, London, S.W.1; and Thomas P. McNaught, 9 Fortismere Avenue, London, N.10, directors.

CLIFFORD CHRISTOPHERSON & Co., LTD.—Mr. W. J. Hatchley has been appointed a director. He has been associated with this company since 1918.

BORAX CONSOLIDATED, LTD.—The deferred ordinary dividend is maintained at $7\frac{1}{2}$ per cent., but in addition shareholders are this time to receive a cash bonus of $2\frac{1}{2}$ per cent., making a total of 10 per cent. for the year to September 30 last. The previous year's dividend of $7\frac{1}{2}$ per cent. compared with 5 per cent. for 1934-35 and $2\frac{1}{2}$ per cent. for 1933-34. The fixed 6 per cent. dividend on the preferred ordinary shares is also announced. Authorised capital is £2,900,000, of which £2,700,000 is in issue, divided into £800,000 in $5\frac{1}{2}$ per cent. cumulative preference £10 shares, £600,000 in 6 per cent. preferred ordinary shares of £5 and £1,300,000 in deferred ordinary £1 shares.

DIXON, LTD.—Mr. G. Harrop, the chairman of the company, who presided at the first annual general meeting, said: In presenting you with the accounts for the year ended December 31, 1937, it is with great satisfaction that I am able to report that we have so nearly lived up to prospectus estimates of profits. The sales show an appreciable increase. The full profit for the year, before reserving for the national defence contribution and before providing for the redemption of the redeemable preference shares, is £36,327 14s. 10d., and after deducting the profits earned prior to incorporation, which under the terms of the contract for sale of the business are payable to the vendors, the remaining profits from April 5 last amount to £26,542 11s. 6d. This profit enables us to recommend a final dividend of $22\frac{1}{2}$ per cent. on the ordinary shares, which, together with the interim dividend of 15 per cent., makes $37\frac{1}{2}$ per cent. in all in respect of the nine months period ending December 31, 1937. This is equivalent to a dividend of 50 per cent. per annum. The report and accounts were unanimously adopted and the dividend recommendations were approved.

LESLIE-RUDEMAR COMPLEXION TRUST, LTD.—A petition by John Bale Sons & Curnow, Ltd., for the compulsory winding-up of this company was by consent dismissed without costs by Mr. Justice Crossman in the Chancery Division. Counsel for the petitioners stated that arrangements had been made to satisfy their debt.

Private Arrangements

Robert Arthur Smith, late of 8 Carter Road, Stoke Aldermoor, Coventry, chemist. The creditors herein met recently at Coventry, when the statement of affairs showed liabilities of £281 4s. 1d. The assets totalled £103 11s. 10d., from which had to be deducted £19 5s. for preferential claims, leaving net assets of £84 6s. 10d., or a deficiency of £196 17s. 3d. A resolution was passed in favour of the matter being dealt with under the deed of assignment already executed to Mr. H. H. Chapman, C.A., Coventry. A committee was also appointed.

David Bell, 28 High Street, Lockerbie, chemist. At the meeting of creditors the statement of affairs showed ranking liabilities of £2,626 4s. 4d. After allowing £75 3s. 8d. for preferential claims, the net assets were £841 12s. 1d., or a deficiency of £1,784 12s. 3d. It was stated that the debtor commenced trading on his own account in 1927. After trading successfully he transferred the business to the present address, where he continued to make progress, the turnover being said to have reached something like £3,000 per annum. It was decided that a trust deed should be executed in favour of Mr. A. Pyper, Glasgow, and Mr. T. Henderson, Lockerbie, as joint trustees. A committee was also appointed.

Bankruptcy Reports

Re Charles Edwin Smethurst, carrying on business under the style of Markham & Miller, 111 Campbell Street, Kingston-upon-Hull, botanical brewer and vinegar manufacturer. The first meeting of creditors was held recently at the Official Receiver's Office, Hull. It was reported that the liabilities amounted to £1,159 7s. 4d., and there were assets of £65 5s. 2d., or a deficiency of £1,094 2s. 2d. The matter was left in the hands of the Official Receiver, as trustee.

Re George Whitworth Mason, carrying on business under the style or name of Mason & Son, Station Mills, Gomersal, near Leeds, soap and chemical manufacturer. At the first meeting of creditors herein held recently at the Official Receiver's Office, Bradford, it was stated that the debtor's present position was due to the heavy funeral expenses of parents, loss of orders and depreciation of effects. His statement of affairs showed ranking liabilities of £228 2s. 2d. and assets of £27 10s., or a deficiency of £200 12s. 2d.

Re Francis Thorp (known as Frank Thorp), 47 Kenyon Lane, Moston, Manchester, proprietor of drug stores. The public examination herein was held recently at the Court House, Manchester. The statement of affairs filed showed ranking liabilities of £248 and assets of £33. The trading was successful at first, but in 1934 the L.M.S. Railway works at Moston were closed. About 12,000 men were employed there, many of whom were debtor's customers. He attributed his failure partly to the loss of that trade and to competition. He filed his petition because creditors were pressing last year. The examination was closed.

Re Onroy Frow, 2 King Edward's Drive, Harrogate, chemist. This debtor's public examination was held recently at the Court House, Harrogate. He said he opened the business at King Edward's Drive, Harrogate, in 1929. He acquired about £150 worth of stock on credit, and the business was successful. In 1935 he bought property at St. Winifred's Avenue, Harrogate, and opened a branch business there. In the meantime the first business had declined, and in 1936 debtor sold his new business and returned to employment. The Official Receiver suggested that if the property at St. Winifred's Avenue was sold the proceeds would allow debtor to pay his debts in full. Debtor agreed to that course. The examination was adjourned.

Pharmaceutical Committees' Conference

AT the Conference of Representatives of Pharmaceutical Committees held in London on January 26, certain details of which were published in the *C. & D.*, January 29, p. 117, Mr. G. A. Mallinson (secretary, N.P.U.) gave a brief survey of the main points of the case he had presented to the Minister on behalf of chemists when the deputation waited on the Minister on December 6, 1937. The inadequacy of the Drug Fund to cover present calls on it had been dealt with first, as it was essential that the Minister should appreciate that chemists' needs would not be met merely by his finding £60,000 or more annually with which to balance the chemists' fund on the present basis of remuneration. The chemists' fund position had been reviewed in detail, attention being called to the discounting during 1934, 1935, 1936, and to the fact that whilst during the period of 1927-1936 there had been years with surplus payments, the economy discount and discounting of fees over the latter part of the period left a deficit of £26,000. He had pointed out that chemists who had come on to the panel during the past five years had suffered discounting of their accounts without the compensation of the surpluses received in earlier years. He had emphasised the iniquitous nature of a contract which resulted in short payment for goods supplied and services rendered; he had complained of the tendency to increase the burden as a result of the introduction of new methods of treatment and the addition of new appliances to the permitted list. He had contrasted the financial arrangements for the medical benefits side of the National Health Insurance with those for the sick payment benefits side, and had directed attention to the remarkable fact that whilst the arrangements ensured that for a well-conducted approved society there would be a surplus, on the medical benefit side no attempt had ever been made even to create a reserve. In regard to the inadequacy of the remuneration, he had contrasted the fees paid to chemists with payments made in other connexions and had urged that professional services deserved a professional rate of remuneration. Although it was realised that under the existing contract every available penny of the statutory fund had been obtained, he had drawn attention to the fact that the Minister was responsible for the whole scheme; it was inequitable that one side should be financially "starved" whilst the other should have ample funds, as was evidenced by the additional benefits many Approved Societies were able to give and by the provision of funds for refresher courses for medical practitioners.

Effect of Juveniles Insurance

Broadly speaking, the attitude of the Minister had been sympathetic, but he had pointed out that the extension of National Health Insurance to juveniles brought another 900,000 insured persons into the Scheme, and it was estimated that extra demands on the drug fund would total no more than half the extra revenue this provided. In these circumstances, and until he knew exactly the effect of this extension, he could not take the parliamentary action which would be required to give effect to the wishes of the deputation. The Minister had suggested that the date for giving notice to terminate the existing contract should be extended in order that statistical data regarding the effect of juvenile insurance could be obtained, and he had also undertaken, in the meantime, to consider sympathetically any claim put forward under the present contract that excess expenditure had been caused during 1937 by an epidemic. Mr. Mallinson stated that the Executive Committee had this matter under consideration and intended putting forward such a claim. In reply to a question, Mr. Mallinson stated that he had taken up with the Accountant-General to the Ministry of Health the question of unappropriated stamp money and had been satisfied that the chemists' fund was at present credited with the proportion due to it from that source.

After deciding to defer notice to terminate the contract until the effect of the Juveniles Act had been ascertained (as reported in last week's issue) the Conference adopted the following resolutions:—"That in the opinion of this Conference the dispensing fees in the existing agreement are inadequate payment for the efficient service the chemist provides"; and "That this Conference will support wholeheartedly the N.P.U. Executive in any action which it is regarded as necessary to take to secure

better terms for National Health Insurance Dispensing." The Conference recorded dissatisfaction with the present remuneration for N.H.I. dispensing, but preferred to leave to the Executive the basis of the claims to be put forward for better remuneration. The following resolutions were then carried:—"That the discounting clause be abolished and payments made in full"; "that . . . a higher general standard of remuneration should persistently be sought, urging (*inter alia*) the higher standard of education required and the increased cost of qualification, the larger stocks necessary to meet the reasonable requirements of insured persons, and the inadequacy of the fees"; "That the N.P.U. be instructed to inaugurate at an opportune moment a national parliamentary campaign with a view to ensuring that the drug fund shall be able to meet its obligations in full"; "That the Minister should adopt more stringent methods to see that all N.H.I. prescriptions are given for insured persons"; "That excessive economy in prescribing is neither in the interests of the insured person nor of the health services of the nation, and is calculated ultimately to impose greater cost on the funds as a whole"; "That the official statistics relating to the drug fund should always show cost of (a) insulin, sera, vaccines, liver, etc., and (b) medicines"; "That this Conference views with apprehension the increasing number of articles in the Tariff, especially with regard to appliances"; "That in view of the increasing additions to the Tariff of higher priced medicaments, some further financial consideration should be given to the drug fund." A proposal that a body of experts should be called upon to prepare exact statistics to show the costs and profits of chemists in the conduct of N.H.I. dispensing, to determine whether the terms of the existing N.H.I. contract are fair and equitable, was voted upon and lost. The Conference agreed that the present deficiency in the chemists' fund would be met if a separate fund could be provided for insulin, liver extract, sera and vaccines, and adopted the following resolutions:—"That any inadequacy of the drug fund under the present contract could be obviated by the creation of a special fund apart from the drug fund, to which insulin, sera, vaccines, expensive medicaments, and appliances, post-contract Tariff additions, oxygen, etc., should be charged. If necessary, the Minister should apply to Parliament for a supplementary grant for the purpose"; "That this Conference urges the N.P.U. to bring pressure on the Minister of Health with a view to ensuring that B.P. and B.P.C. preparations, having a therapeutic effect analogous to that of proprietary preparations, be used instead of the latter."

"C. & D." Retail Price List

THE index of drug selling prices for the month of January remained unchanged from that of December, 1937, namely 154.3 against 149.0 in January 1937. Several changes occurred, but they were in drugs in which retail turnover is small. Notable examples are ephedrine and to a less extent menthol. In surgical dressings no change from the previous month's figure (138.6) occurred. The figure was 137.1 in January 1937. The principal changes during the month were:—

Cost		Selling Price			
d.	per	Drugs and Chemicals	16 oz.	4 oz.	1 oz.
			s. d.	s. d.	s. d.
10	lb.	Ammon. carb. coml.	1 3	0 5	0 2
60	dr.	Ephedrina alk. P.I. (8)	per	gr.	0 2 8 9
48	dr.	Ephedrina hydrochlor. . .P.I. (8)	per	gr.	0 2 7 0
48	dr.	Ephedrina sulphas . . .P.I. (8)	per	gr.	0 2 7 0
108	lb.	Ext. jaborandi liq. P.I. (9)	—	4 0	1 1 0 2
24	oz.	Menthol	—	—	3 6 0 6
108	lb.	Ol. menthae Jap. (dement.) . .	—	3 10	1 1 0 2
42	oz.	Procain. hyd. S.I. (4)	—	—	6 4 1 0
144	lb.	Terebinth. Canad.	—	4 0	1 5
102	lb.	Tr. caulophylli	—	3 7	1 0 0 2
42	lb.	Ulm fulva cortex	—	1 6	0 6

Statutory Committee Meeting

THE Statutory Committee of the Pharmaceutical Society met at Bloomsbury Square, London, W.C., on February 3, Sir Ernly Blackwell in the chair.

Mr. A. C. Castle appeared for the Pharmaceutical Society, and said that on October 25, 1937, the affected person was charged at the Liverpool Assizes with obtaining credit by falsely pretending he had returned containers, and also on a second charge. He was sentenced to imprisonment in the second division. The facts in the case and the case following were very similar. The affected person carried on business in Liverpool and also at Bootle, and dealt with R. Sumner & Co., Ltd., Liverpool. During the course of transactions it was customary for goods to be delivered by a lorry driver. The scheme which was suggested and proved at Liverpool Assizes was that they were in fact credited with a much larger number of containers than they in fact returned. The affected person was later interviewed by the police and various excuses were made. The affected person was committed for trial for conspiracy and false pretences. The secretary of the Pharmaceutical Society had received a number of letters from persons who wished to put forward their views of the previous career of the affected person. There was also a petition from a number of registered pharmacists in Liverpool. The Liverpool and District Chemists' Association also wrote to say they had always found him honourable and felt that an unfortunate series of circumstances had arisen.

Mr. Gordon Clover, counsel on behalf of the affected person, submitted that this offence was of a comparatively trivial nature. What happened was that at the end of 1936 Messrs. Sumner ascertained they were £600 short in their stock, and it was suggested there was a receiver on a large scale at work. The police commenced their investigations and found out a person who had been employed by the company for eleven years. The police were hoping to discover at least one receiver of stolen property, and quite by chance came upon evidence of a comparatively trivial nature connected with the affected person. Three Liverpool chemists were involved, and the charges against one were dismissed. The affected person was committed for trial and was ultimately sentenced to imprisonment. He suggested it was not really a criminal offence but rather a mean fraud. The person concerned was a young man and was a victim of a slack system.

Mr. Frank Kirkland, of Messrs. Sumner, gave evidence on behalf of the affected person, and said that his company were paying the expenses of his attendance. He said he had known the person concerned since 1931, and the company's experience was that he was a perfectly straightforward business man.

Before deciding the case the Committee decided to hear the facts in connexion with the other chemist who was convicted at Liverpool at the same time.

Mr. Castle said that the facts were similar, as the same system was adopted. The person concerned was the managing director of a limited company. The secretary of the Pharmaceutical Society had received two letters. The man in this case was also sentenced to imprisonment on two charges involving containers. The principal of the Liverpool School of Pharmacy had written to say that he had come as near to the ideal as possible as a student. He was every inch a gentleman and had a fine sense of duty and never in his opinion had a young man's prospects been so promising.

On his own behalf, the affected person said that he had already sent to the Committee a copy of his past record, which showed that he was a member of the Liverpool Committee last spring. He made no hesitation in admitting that he had made this error, and he was fully repentant. He was a very worried and distressed man, and fell to the temptation that was put in his way. He was overworked, worried and anxious in several directions, and did not think of what he was doing. He was given a credit note which he should not have taken.

After retiring for some time, Sir Ernly Blackwell said that the Committee had decided not to remove their names from the Register. In announcing the decision, however, he wished to warn them very strongly that they were now being given an opportunity of making good when they came out after completing their sentences. The Committee took a very serious view of the cases, and if there was any repetition of such conduct, the Committee would have no option but to remove their names from the Register.

Consideration Postponed

In the next case, it was stated that the person concerned was convicted at Marylebone Police Court, and sentenced to one month's imprisonment for stealing money belonging to his employers, Ascotts Pharmacies, Ltd.

Mr. Castle said the person was formerly in business on his own account at Ealing. On December 13 Messrs. Ascotts' auditors visited the premises, and found that between December 6 and 17 the accounts were correct so far as they went, but the paying-in book showed there was a deficiency. He was asked for an explanation, and told his employers that instead of banking the money he had used it for his own purposes. When before the police court, the person pleaded "Guilty." There was nothing known against him.

Mr. Samuel Smith, general manager, director, and registered superintendent of Messrs. Ascotts, said the person was paid £5 a week and commission. If the company had received a full explanation from him he (Mr. Smith) did not think they would have taken the matter to the police. He put forward no excuse, however, but merely said he was guilty, and the firm had no alternative, as it had happened with other men before. Where they had explained circumstances which proved to be extenuating, the firm had not taken any action. He was not allowed to plead for leniency. He had been asked by his board to state that when they prosecuted, they expected the person to be bound over, and they considered he had been severely dealt with by the Court. As a limited company they asked that he should now be leniently dealt with.

The person on his own behalf said he regretted the whole incident. He admitted his guilt and realised the folly of it. He had had his business in Ealing which he had carried on for eight or nine years, but owing to a general decrease in the population, he was compelled to make a deed of assignment, which practically meant bankruptcy. He had domestic trouble afterwards, and found difficulty in getting a job without references, as he had been a master pharmacist. While out of employment he ran up bills for food and lodging, which he was called upon to pay at a moment's notice, and that caused him to take the money. He had every intention of paying it back, but had no time to do so before the auditors came in. He pointed out that he had suffered, and if his registration was taken away he was finished so far as pharmacy was concerned.

After retiring, the Chairman announced that they would postpone consideration of his case for six months, and notice would be given to him when it would be further considered. They would then require some evidence as to his conduct in the meantime, and during that time his name would remain on the Register.

Removal from Register

Mr. Castle said that on September 22, at Barnet Police Court, the affected person was sentenced to imprisonment for larceny and for fraudulently embezzling. He obtained employment at a pharmacy in Barnet in May, 1937. On September 6 his employer noticed that the takings of the shop were rather below normal, and told the person he was going to check the contents of the till. He told him it was no use doing that as there was nothing in the till, and he admitted he had spent the money. He was discharged. There was a deficiency of £70. His employer thereupon informed the police, and the person was arrested. A question had arisen in this case as to whether the Committee had any jurisdiction over the person, as at the actual time his name was not on the Register. This had been pointed out to him, who had in the meantime applied to have his name on the Register. They had taken counsel's opinion on the matter, and that was that if a person made application to have his name restored to the Register it was not the duty of the Council to consider why he had not paid his subscription unless it was a question of lack of funds. They were not entitled to take this conviction into consideration.

After retiring for half an hour the Chairman said that the Registrar would be instructed to remove Stazicker's name from the Register. He had to point out, however, that the Committee had power to restore his name to the Register in the future if Stazicker was able to satisfy the Committee of his good character in the meantime.

Trade Notes

1938 C. & D. DIARY AND YEAR-BOOK CORRECTIONS.—The following corrections should be noted: Stephens Brothers & Banner, Ltd., have given up control of the sale of Usines de l'Allondon, S.A., products, as they have opened their own office in London. Messrs. Stephens Brothers & Banner, Ltd., are now importing all raw material direct from the manufacturers; H. W. Braun: Correct address is 16 Water Lane; Andersen & Bruun (British), Ltd.: Spelling is as shown here; Matthews & Wilson, Ltd.: Name should appear in the Buyers Guide section under Tablets, compressed, bulk and packed; Dr. Hugo Remmler, A.G.: Name should appear in the Buyers Guide section under Hemorrhoidal Suppositories, Aperient Tablets, Kalrapid Cachets, Spermobean.

COD-LIVER OIL WOUND OINTMENT.—C. R. Harker, Stagg & Morgan, Ltd., Emmott Street, London, E.1, have sent us a copy of a brochure explaining the uses of Unguentolan, a German product made by Heyl & Co., of Berlin, for whom Messrs. Harker, Stagg & Morgan are distributing agents in this country. The brochure consists of 60 pages of text and half-tone illustrations, the text including reports from various practitioners relating to the efficacy of this substance.

NATIVELE'S DIGITALINE.—Wilcox, Jozeau & Co., Ltd., North Circular Road, Cricklewood, London, N.W.2, advise us that Nativelle's digitaline is now issued in pink and white tablets containing 1/600 grain and 1/240 grain respectively, in addition to the granules, which are still obtainable. The new tablets are offered at reduced prices, and there is a bonus offer on direct orders of granules or tablets, this offer terminating on March 31, 1938. Messrs. Wilcox, Jozeau have introduced a new preparation described as Ferraemia tablets for the treatment of iron deficiency anæmia. Supplies are obtainable direct or through the usual wholesalers in bottles of 60 tablets. These products are advertised to the medical profession. Literature is obtainable on application.

MACHINERY NOTES.—In last week's C. & D. (pp. 126 and 128) two blocks were transposed in error. The machine illustrated in Fig. 1, below, which manufactures and prints the cartons, fills them with powder, granules and crystals, and closes them, is the Acma 720, marketed in this country by Butlers (London), Ltd., 62-63 Minories, London, E.C.3, who in the same issue advertised the Hy-Speed filler for liquids. The Hoeller filling machine (Fig. 2), of which a full description appeared on p. 129 of last week's issue, is marketed by the Benhil Machinery Co., Ltd., 340 Upper Street, London, N.1.

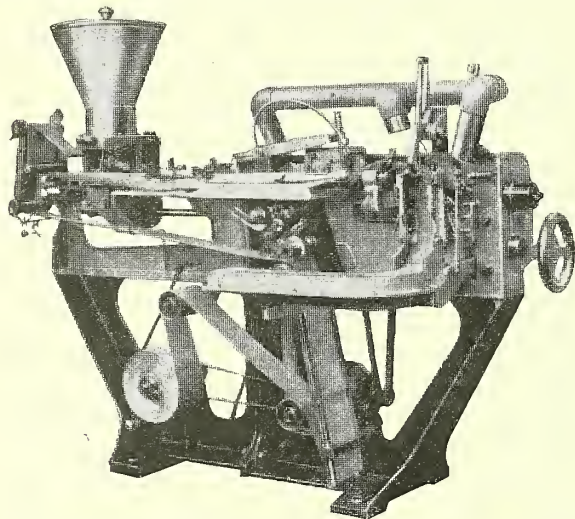


FIG. 1.—Filling machine for powders, etc. (Butlers, London, Ltd.)

MICROSCOPE RECORD.—We have received from W. Watson & Sons, Ltd., 313 High Holborn, London, W.C.1, publishers of this paper, the January 1938 issue, which includes useful articles on microscopy. Copies may be obtained on application.

KEATING'S INSECTICIDE PRICES.—Owing to the rise in cost of raw materials, Thomas Keating, Ltd., Station Mills, Billingshurst, Sussex, are unable to continue the display terms at present in force after May 16. Details of the present terms and of those which apply after that date are published in our advertisement pages.

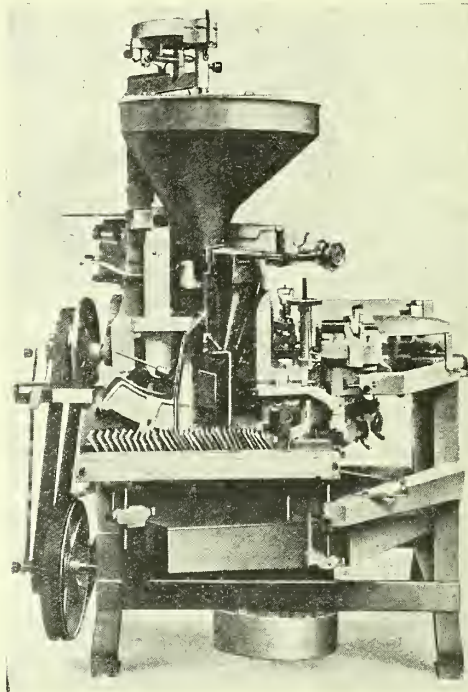


FIG. 2.—Hoeller filling Machine.
(Benhil Machinery Co., Ltd.)

CHANGE OF ADDRESS.—The British Felsol Co., Ltd., removed on February 4 to larger premises at Wigton House, 206-212 St. John Street, Clerkenwell, London, E.C.1. Telephone No. Clerkenwell 5862.

REVISED PRICES.—W. Martindale (Savory & Moore, Ltd.), Wigmore Street, London, W.1, publish in this issue their revised prices for ether-soluble tar paste. They took effect on February 1.

ENDRINE BONUS TERMS.—John Wyeth & Brother, Ltd., 25 Oldhill Place, London, N.16, advertise in this issue the bonus terms which may be obtained on Endrine nasal compound from wholesalers in return for a fortnight's display.

ALUMINIUM PASTE PAINT.—The Northern Aluminium Co., Ltd., Bush House, Aldwych, London, W.C.2, have issued a 56-page stiff-covered booklet dealing with the uses of Noral paste, an aluminium pigment in paste form. The booklet illustrates applications of the paste in industry and gives practical details and specifications.

SPARKLET SYPHON PRICE INCREASED.—From February 1 the price of the Standard Model (D) of the Sparklet syphon has been increased. The prices of the new Streamline syphons remain unchanged. Latest price list may be obtained on request from Sparklets, Ltd., Thames House, Millbank, London, S.W.1.

BATH CRYSTALS.—Prosit Products, Ltd., 20 Back of the Pantiles, Tunbridge Wells, direct attention to their natural pine bath cocktail which is intended to provide an antidote to stiffness or fatigue after strenuous exercises and has also a beneficial effect in rheumatism. A teaspoonful added to the bath is sufficient. There are two sizes of packings: 8 oz. bottles and 20 oz. beakers.

Births

Notices for insertion in this column must be properly authenticated.

McQUITT.—At Miss Webb's Nursing Home, Wellington Park, on January 23, the wife of Henry McQuitty, M.P.S.N.I., Belfast, of a daughter.

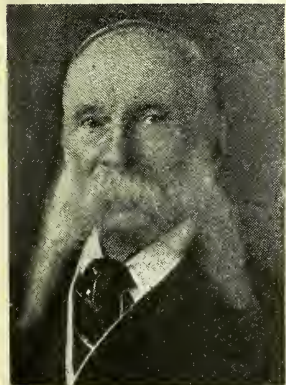
Marriages

APTED—COPLEY.—At St. Mary's Church, South Reddish, Stockport, on January 26, by the Rev. P. L. Adams, M.A., Thomas Edgar Apted, M.P.S., 259 Reddish Road, Stockport, to Elizabeth Copley.

McINTOSH—FERGUSON.—At Roxburgh Hotel, Edinburgh, on January 29, Donald McLeman McIntosh, M.P.S., to Lillian Pringle Roberts.

Deaths

CRICHTON-BROWNE.—At Crindau, Dumfries, on January 31, Sir James Crichton-Browne, M.D., LL.D., D.Sc., F.R.S., aged ninety-seven. Sir James was a pioneer in the treatment of mental disease, and also a man whose opinions on many subjects, generally connected with public health, were accepted. He was educated at Dumfries Academy, Trinity College, Glenalmond, Edinburgh University, and Paris, and qualified at Edinburgh in 1861, taking his M.D. degree in the following year. Sir James held honorary degrees from Edinburgh, St. Andrews, Aberdeen, and Leeds. He was a Fellow of the Royal Society, and from 1889 to 1926 was treasurer of the Royal Institution of Great Britain. He was a former president of the Medical Society of London, the Neurological Society, the Medico-Psychological Association, and the National Health Society. He was a director of Bovril, Ltd.



SIR J. CRICHTON-BROWNE

HARLE.—Recently, Mr. Fred Harle, M.P.S., Newcastle-upon-Tyne, aged fifty-two.

KAYE.—At Westfield House, Moldgreen, Huddersfield, recently, Mr. Anthony Knowles Kaye (A. K. Kaye & Sons, manufacturing chemists, Moldgreen), aged seventy.

LOGAN.—On January 20, Mr. Benjamin Logan, Ph.C., The Mall, Downpatrick. Mr. Logan, who had been at business the previous day, had been identified with pharmacy in the co-Down for very many years. He was formerly an assistant with Mr. Roden Johnston, qualified in 1912, and on the latter's death took over the pharmacy which is widely known as Johnston's Medical Hall. The funeral at Rathmullan Cemetery on January 22 was largely attended.

Personalities

MR. T. G. STEWART, M.P.S., Bracknell, Berks, has been elected vice-president of the local cricket club.

MR. P. F. ROWSELL, C.B.E., has been appointed chairman of the Finance Committee of Devon County Council.

MR. G. T. GREEN, M.P.S., Henley-on-Thames, has been elected honorary treasurer to the local fire brigade.

MR. J. E. FRENCH, M.P.S., Sittingbourne, has been re-elected chairman of the Joint Pricing Committee (South Eastern Area)

MR. J. F. H. BANNER, M.P.S., Ferryhill, co. Durham, is to judge the Schipperkes at Manchester Championship Dog Show in March.

ALDERMAN CHARLES JENKIN, M.P.S., Bath, who has been elected chairman of the local Insurance Committee, has been a member of the Bath City Council since 1911.

MR. ALFRED BARRON, South Wales representative of Ayrton Saunders & Co., Ltd., Liverpool, has been installed chairman of the Cardiff Branch of the United Commercial Travellers' Association.

MR. E. COLIN JONES, Ph.C., F.B.O.A., 21 Wilbury Avenue, Hove, son of Mr. Edgar Jones, Ph.C., Brighton, has been granted the diplomas M.R.C.S., L.R.C.P. He received his medical training at St. Bartholomew's Hospital, London.

Two new representatives have been appointed by J. & E. Atkinson, Ltd., Eonia Works, Southwark Park Road, Bermondsey, London, S.E.16—Mr. J. Chamberlain for Scotland and Northern Ireland and Mr. A. Rowland Coker for the Birmingham area.

MR. W. J. CAMPBELL (Smith & Campbell, Lahore), whose letter to the Lahore "Civil and Military Gazette" is quoted on p. 151, was the subject of one of the short biographies in "British Pharmacists Overseas" (C. & D. Annual Special Issue, June 26, 1937).

MR. B. SALES, director of F. W. Hampshire & Co. (1927), Ltd., is retiring from active management. At the annual staff dance of the company held in Derby, on January 28, Mr. Sales was presented with a Crown Derby tea service from Mr. F. W. Hampshire, the chairman and managing director, and Mrs. Hampshire, and a wristlet watch from fellow directors. A canteen of cutlery was presented on behalf of the staff and Mrs. Sales was handed a bouquet.

Coming Events

Monday, February 7

West Kent Chemists' Association, Public Hall, Beckenham. Address on "Vitamins and Colloids."

Inter-Association Billiards and Snooker Match, Shaftesbury Hotel, London, W.C.2, at 8.30 p.m. Western v. South-Western.

Tuesday, February 8

Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, London, W.C.1, at 8.30 p.m. Professor R. B. Wasicky on "Modern Methods in Pharmacognosy."

National Pharmaceutical Union, Blackpool Branch, Palatine Hotel, at 8 p.m. Mr. A. Dobson on "Current Pharmaceutical Topics."

Wednesday, February 9

Chelsea Pharmacy Association, Westminster Palace Rooms, at 7.30 p.m. Annual reunion.

Croydon Pharmacists' Association and Pharmaceutical Society, Croydon Branch, Café Royal, North End, Croydon, at 7 p.m. Annual dinner and dance.

Manchester and District Pharmaceutical Masonic Association, Victoria Hotel, Manchester, at 6.30 p.m. Dinner, whist drive and dance.

Pharmaceutical Society, Glasgow and South-Western Scottish Branch, Gordon Restaurant, 19 Gordon Street, Glasgow, at 8 p.m. Address by Mr. T. Guthrie.

Wimbledon and District Pharmacists' Association and Branches, Wimbledon Hill Hotel, at 8 p.m. Whist drive and dance.

Liverpool Chemists' Association, Royal Institution, Colquhoun Street, at 8.30 p.m. Mr. A. L. Armstrong on "Prehistoric Man."

Thursday, February 10

Manchester Pharmaceutical Association, and Pharmaceutical Society, Manchester, Salford and District Branch, Victoria Hotel, Deansgate, at 8.30 p.m. Mr. H. N. Linstead, O.B.E., on "The Last Ten Years and the Next."

National Association of Women Pharmacists, 17 Bloomsbury Square, W.C.1, at 8 p.m. Miss J. Bailey, B.A., "Occupational Therapy."

Pharmaceutical Society, Reading and District Branch, Great Western Hotel, Reading, at 8 p.m. Dr. J. J. Paterson on "Old Drugs with New Faces."

Waterloo, Seaforth and Crosby Pharmacists' Association, St. Luke's Hall, Crosby, at 8 p.m. Annual dance.

Photographic Dealers' Association, Birmingham and District Branch, Imperial Hotel (Temple Room), at 8.30 p.m. Mr. S. Schofield on "Indoor Portraiture."



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Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

- | | |
|---|---------------------------------|
| F/12 Anti-lux paste | M/29 Miraclean |
| A/31 Campro cine-camera (present address) | O/31 Prince of Wales perfume |
| B/31 Ciobone (present address) | R/28 Red Seal C.L.O. Emulsion |
| H/24 Firth's flint glass bottles | O/32 Velocium (present address) |
| M/21 Miracle dry shaver | B/11 Vito products |

THE CHEMIST AND DRUGGIST

VOL. CXXVIII

February 5, 1938

NO. 3026

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Chemists to Wait and See

ON another page in this issue (p 154) appears a survey of the arguments presented to the Minister of Health by Mr. Mallinson, secretary of the N.P.U., at the Pharmaceutical Committees' Conference last week. All chemists are or should be familiar with the arguments in favour of a new method of remuneration. They are agreed that the discounting clause is unfair and un-English, and the Minister of Health by this time is obviously satisfied that such a method of payment would not be tolerated in any other industry in this country. As usual, the attitude of the Minister was sympathetic, but the only possible hope he could hold out of amelioration in the conditions was the chance that the extension of National Health Insurance to juveniles, which would bring another 900,000 insured persons into the scheme, would solve the problem. Following on his suggestion that the date for giving notice to terminate the existing contract should be extended, so that data regarding the effect of this new influx into insurance could be determined, the meeting agreed to defer giving notice. Once again, therefore, the panel chemist is put on the waiting list and can look forward to another conference in the future, when the same points will be raised with the hope that a different answer may be obtained.

So far as the chemists' contracts with National Health Insurance committees are concerned, there is following this decision a clear-cut plan of action to be agreed upon. It is noteworthy that in an address given at the North Metropolitan Branch of the N.P.U. (C. & D., January 22, p. 98), Miss Sharples confirmed that the Union had no mandate except to negotiate on the existing basis. We do not know whether local panel chemists had any influence on the Pharmaceutical Committees' views as presented at this conference, but the time has come when consideration should be given to the attitude of panel chemists in the area controlled by each Pharmaceutical Committee, so that when next insurance dispensing terms are considered, the

N.P.U. will have a definite mandate from the chemists either to terminate the agreement or again renew it without further ado.

Much is made in some directions of the fact that some chemists find panel dispensing acceptable from the financial point of view. Panel chemists throughout the country, however, should not be fobbed off by such reports. There is the definite principle at stake of full pay for services rendered. The next point is that if pharmacy is to be looked upon as a profession, then the fees for rendering service are beggarly and contemptible. There is plenty of publicity for the Ministry of Health's work in making a healthier nation, and the time is overdue when insured persons should be acquainted with the method of payment which has been meted out to dispensing chemists for so many years. Following the report of the cost of £240 a year being incurred for one panel patient, a Sunday newspaper representative interviewed a Ministry of Health official who is reported to have said that the best treatment, however expensive, is not too good for panel patients. No panel chemist will disagree with that dictum, but he can hardly be expected to be enthusiastic when he remembers that he himself has to bear part of the cost of this policy. There is one other point; the Conference agreed that the present deficiency in the Drug Fund would be met if a separate fund could be provided for insulin, liver extract, serums and vaccines. Even if the Drug Fund were solvent, however, the panel chemist still remains inadequately recompensed for professional services.

Pharmaceutical "Two-fers"

THE war of the "two-fers," as it is called, in the West-end of London relating to the privileged ticket system whereby a purchaser may obtain two tickets for the price of one, has its analogy in the penny sales discussed at the annual meeting of the Irish Drug Association, p. 164. Briefly, as most pharmacists know, it is the custom at a stated period of the year for agent-chemists to hold sales of certain products which are purchasable by the public on the basis of two preparations at the price of one, plus one penny. Chemists in this country have frequently complained of what they describe as unfair competition, but in Ireland it is apparent that much more vigorous objections are taken to the scheme. This method of increasing sales temporarily is of interest, apart from other considerations, from the points of view of the manufacturers, the chemists and the general public. The manufacturers of those products which are sold only by recognised agents obviously find the scheme a profitable one, not only from the resulting increased sales, but also because it introduces to the public their particular products in a tangible and a relatively economical manner, since the same results would probably not be obtained so easily by newspaper advertising. After the goods have been purchased, the rest depends upon their quality, and the impression they make upon the ultimate consumer.

From the standpoint of the chemist, he enjoys the advantages of an attractive sales scheme which is bound to increase his turnover, although it may be that the large increase of sales during the period the scheme operates may be balanced by the falling off of sales of the same article during the period which intervenes before the next bargain period. This is not apparently so, since so many chemists who are agents for such manufacturers are much in favour of the scheme.

As for the public, always eager to pick up a bargain, it is safe to assume that they are willing to purchase articles not immediately required on an economical basis alone. What their private opinion is of the chemist, who apparently can afford to cut his profits practically in half for this period, can be left to the imagination. Explain how he will, there is bound to be a feeling that the chemist's alleged exorbitant profits are no figment of the imagination but are indeed very real.

At the annual meeting of the Irish Drug Association, it was stated that chemists were fairly evenly divided in their views on the future of penny sales. It is obviously a matter which cannot be stopped unless members themselves are willing to discontinue such practice. The position as finally agreed was that the Committee is to confer with the manufacturers to discuss the possibility of placing some of their preparations on the approved list of articles published by the Association. The result will be watched by chemists on this side of the Irish Sea with considerable interest.

World Trade in Olive Oil

THE Imperial Economic Committee has published a summary of world production and trade of the principal vegetable oils and oilseeds. Besides olive oil, some extracted particulars of which we publish on page 166 in this issue, cottonseed, linseed, rapeseed, sesame seed, soya beans, groundnuts, palm kernels and palm oil are also dealt with exhaustively. The review of these products covers the years 1929 to 1936, and, in some instances, provisional figures are given for 1937.

The production of olive oil varies from season to season, the crop of fruit being considerably affected by weather conditions. Under normal conditions Spain is the chief producing country, but it is only possible to estimate the

output for the 1936-37 season which is given at the figure of seven million cwt., a decline of 1,700,000 cwt. on the figures of the previous season. Declines in output of this oil last season are also noted in the cases of Italy, Greece, Portugal and Tunis, and the season's world figures are the lowest for six years and are five million cwt. less than in the 1935-36 season. The figures of exports by countries do not necessarily approximate those of domestic production. France and Italy both import large quantities of unrefined oil, whereas their shipments consist chiefly of refined oil. On that account France's import figures are usually greater than her export; consequently the latter have little or no relation to the quantity of domestically produced oil. Exports from Italy, Tunis and Algeria during 1936 all showed a marked decline. To ease the position internally Italy imposed an export duty of 150 lire per quintal on exports early in 1937 and Portugal prohibited exports to most countries. The quantities of oil imported by the chief consuming countries show some falling off, the chief user, the United States of America, taking some 300,000 cwt. less in 1936 than in 1935. An outstanding instance of persistent decline in consumption is the Argentine. In 1930 imports totalled 1,167,000 cwt.; since that year they have steadily fallen and in 1936 totalled only 301,000 cwt. Imports into the United Kingdom keep fairly steady in the region of 220,000 cwt., and up to 1936 Spain, France and Italy were the chief suppliers. It is, however, worth noting that in 1933 95,000 cwt. of this oil was landed in this country from Greece, against the normal quantity of about 15,000 cwt.

The decline in world consumption of olive oil is probably due to two factors. First, the substitution of cheaper vegetable oils which are marketed as "salad" oils and, secondly, to some small extent, to adulteration of the genuine article with cheap ingredients such as tea-seed oil, cotton, rape and castor oils and fish oils.

National Pharmaceutical Union

Executive Meetings

MEETINGS of the Executives of the National Pharmaceutical Union and Chemists' Defence Association were held at 4 and 5 Queen Square, London, W.C.1, on January 25, Mr. W. W. Atkinson in the chair.

ORGANISATION

Applications were received and accepted from the North Nottinghamshire Chemists' Association and the Colchester Chemists' Association to be recognised as official branches of the N.P.U.

N.H.I. BUSINESS

The Executive considered a report from the Ministry of Health in regard to the prescriptions for insulin issued to insured persons in England and Wales for 1927-36. It was noted that the number of prescriptions continues to increase, while the total cost shows a fall due to reduction in the price of insulin. The Executive considered and approved formulas for syr. cocillanæ co. and elixir caffein. iodid.

CHEMISTS' FRIENDS MOVEMENT

The Executive adopted the report of the Chemists' Friends Committee and applications for inclusion in the C.F. List received from the following firms were accepted:—Ban-Ile, Ltd., Hough, Hoseason & Co., Ltd.; Leslie Martyn, Ltd.; Standard Tablet Co., Ltd. In each case the applications covered the whole range of the manufacturers' eligible proprietary pharmaceutical preparations. A number of other applications were held over for further consideration.

C.D.A. Matters

The secretary reported that of the thirty-five cases outstanding since the last meeting six had been settled as follows:—

Lambs died after dosing with tonic; claim settled by payment of £4 10s. Foot injuries arising from use of lotion; claim settled by payment of £85 15s. Damage to car caused by cycling errand boy (two cases); claims settled by payments of £1 15s. and £1 1s. 7d. Coat burned on shop radiator; claim settled by payment of £2. Coat burned on sealing jet; claim settled by payment of £2 2s. The remaining cases were still the subject of negotiations.

Thirty new cases had arisen; settlements had been effected in nine of them:—Illness caused by powders supplied; claim settled by payment of £10. Motor damaged by cycling errand boy (three cases); claims settled by payments of £1, £1 12s. 6d. and 10s. Coat torn on shop front (two cases); claims settled by payment of 1s. 6d. and 5s. Injury caused by fall on weighing machine; claim settled by payment of 10s. Coat burned on shop radiator (two cases); claims settled by payments of £1 12s. 6d. and 3s. 6d. The remaining cases were left in the hands of the secretary.

The secretary reported that four members had been defended in respect of summonses under the Food and Drugs (Adulteration) Act. A summons against a member who had been summoned under the Pharmacy and Poisons Act, 1933, for the sale of strychnine on two different occasions, had been dismissed under the First Offenders Act. Another member who had been summoned for failing to keep his dangerous drugs in a locked receptacle had been fined. A fine and costs had been imposed upon another member summoned for selling wine during prohibited hours. The secretary reported that a member had been legally represented at an inquest upon a child who had died after being given a dose of soothing mixture. A verdict of death from natural causes had been returned.

Pharmaceutical Society of Great Britain

Council Meeting

AMONG the business transacted by the Council of the Pharmaceutical Society at its meeting held at Bloomsbury Square, London, W.C., on Tuesday, February 1, were the following items:—

Trust Deed: The Trust Deed appointing Messrs. Marns, McNeal, Melhuish and Neathercoat to hold certain sums set aside by the Council each year for the expenses of the charitable objects of the Society was approved and its sealing authorised.

British Pharmacopœia Selection Committee: The secretary reported that the Pharmaceutical Societies of Ireland and Northern Ireland had agreed that the three representatives of the three Pharmaceutical Societies on the Selection Committee for the British Pharmacopœia Commission should be Messrs. Neathercoat, Peck and Skinner, and that these names had accordingly been sent to the General Medical Council.

Control of the sale of drugs in Glasgow: The secretary drew attention to the progress of a resolution of the Glasgow Corporation seeking power to control the supply of drugs in Glasgow by unqualified persons. The subcommittee of the Health Committee of the Corporation had agreed to make representations to the Department of Health and to the Home Office for power to control and supervise persons or firms who are not qualified chemists and who sell within the city drugs to members of the public.

Consolidation of the law relating to food and drugs: The secretary drew attention to a Food and Drugs Bill, prepared by the Local Government and Public Health Consolidation Committee and presented to Parliament in December 1937. The draft Bill, in addition to consolidating the existing law, included certain additional provisions; the principal of these, having bearing on the sale of drugs, were: (a) a proposal to include invoices as warranties with the effect that if a preparation were to be invoiced as B.P. or B.P.C., for example, that would be a sufficient warranty without any words of guarantee; (b) the following new clause dealing with misleading descriptions on labels: "6 (1). A person who gives with any food or drug sold by him a label, whether attached to or printed on the wrapper or container or not, which falsely describes that food or drug, or is otherwise calculated to mislead as to its nature, substance or quality, shall be guilty of an offence under this Act, unless he proves that he did not know, and could not with reasonable diligence have ascertained, that the label was of such a character as aforesaid." The Council requested the Codex Revision Committee to consider whether any steps should be taken towards making the Pharmacopœia and the Codex statutory standards.

Wednesday's Proceedings

The decrease in apprentices, especially during the last few years, was discussed at the February meeting of the Council, held at Bloomsbury Square, London, W.C., on February 2, the president, Mr. T. Marns, in the chair.

The subject was introduced by the secretary in presenting his report for 1937. He mentioned that the number of apprentices of students registered during the year was 100 fewer than in the preceding year, but the number of student-associates on the other hand showed a decrease of only 60. The total increase of names on the Register was 559, after allowing for deaths and other contingencies.

Mr. JACK drew attention to the drop in the number of apprentices or students and emphasised that it had been going on for the last four years. He did not know where the matter was going to end.

THE PRESIDENT said there was another figure which must be taken into consideration, that after deaths were deducted there were 550 more persons on the Register.

Mr. JACK said that did not get over the difficulty. Apprentices could be got in large centres, but in a large part of the country pharmacists were dependent on a certain number coming from the outskirts of towns.

Mr. McNEAL said the net increase on the Register of pharmaceutical chemists was only 16. He could see the number of students dropping and the number of pharmaceutical chemists was also going to drop. He thought the time would arrive when the Council must consider whether they should not have one examination called the pharmaceutical chemist examination, for there had been a steady decrease in the number of pharmaceutical chemists.

The matter was then allowed to drop.

DEATHS

THE PRESIDENT referred sympathetically to the deaths of Mr. William Warren, Letchworth, a member of Council in 1891-92, in 1895 and 1897-98; Mr. John Black, Aberdeen; Mr. A. D. Hearnshaw, Leicester; and Mr. J. G. Sturton, Peterborough.

GIFT OF DOCUMENT

THE PRESIDENT next reported that Mr. Percy Sparks had sent an interesting document dated 1843 in a good state of preservation to be added to the Society's collection of articles of pharmaceutical interest, and the gift had been acknowledged with due appreciation.

REGISTRATION ITEMS

Forty-nine persons were elected as student-associates and one person was restored to the register of student-associates. The registrar was authorised to restore seventeen persons to the Register of Pharmaceutical Chemists and Chemists and Druggists. The registrar reported that sixty persons had been registered as apprentices of students. Mr. Alfred Williams Chambers, formerly of Queensland, now of 4 Sciennes Road, Edinburgh, and Mr. Stanley James Johnston, formerly of Belfast, now residing at 41 Ashburnham Road, Luton, having complied with the Regulations, were registered as chemists and druggists (the latter subject to the production of his certificate), in accordance with the provisions of section 4, sub-section (b) of the Poisons and Pharmacy Act, 1908, and Section 1 of the Pharmacy Act, 1929.

GREETINGS

THE PRESIDENT stated that he had received New Year greetings from the American Pharmaceutical Association, and pharmaceutical organisations in India, Victoria, New South Wales, Western Australia and from the pharmacists of Australasia.

RETIRING COUNCILLORS

It was announced that the following members of Council are due to retire in May next: John Henry Franklin; George Robert Knox Mawer; Andrew Ralph Melhuish; Lewis Moreton Parry; Philip Foale Rowsell; Frederick George Wells; James Clements Young.

THE PRESIDENT said he regretted having to report the resignations from the Council of Sir Humphry Rolleston and Professor Gunn. The Council had been extremely fortunate in the personnel of the nominees of the Privy Council. Sir Humphry Rolleston had always been willing to help the Society and him (the President) and his services had been greatly valued. Professor Gunn had taken a great interest in the work of the pharmacological laboratories and had spent a lot of time in helping its services. He had a genial and happy way with him and it was to be regretted that his private work had made it impossible for him to continue. The President added a tribute to Sir Malcolm Delevingne, whom they all hoped would be able to continue his association with them. He had nothing to report at present regarding those who would succeed the Privy Council representatives now retiring. He moved the following resolution:—"That this Council placed on record its grateful thanks to Sir Humphry Rolleston and Professor Gunn for their services to the Pharmaceutical Society during their term of office as members of its Council." This was seconded by the vice-president and carried with acclamation.

REGISTRAR'S REPORT

The registrar submitted his report for 1937. The following summary includes the chief features:—

The number of apprentices or students registered is 620 (723 in 1936). The examinations in London for the year show the following figures:—Pharmaceutical Chemist, 99 candidates, of whom 46 were successful (in 1936 the respective numbers were 114 and 55) and 4 passed as chemists and druggists (8 in 1936); Qualifying, 837, of whom 253 passed (in 1936 the corresponding numbers were 849 and 295). In Edinburgh there were 44 candidates for the Pharmaceutical Chemist, of whom 26 were successful (in 1936 there were 11 successful candidates out of 17 entrants; for the Qualifying, 524 candidates, of whom 17 passed (in 1936 the numbers were 386 and 197 respectively). Candidates for examination in referred subjects are not included in these figures. The number of pharmaceutical chemists on the Register on December 31, 1937, was 1,484, and of chemists and druggists 22,052, a total of 23,536. (In 1936 the respective numbers were 1,468, 21,509 and 22,977. The register of superintendents of bodies corporate in Great Britain, and of firms or partnerships in Scotland, contains 1,955 names (1,920 in 1936). In 174 cases of alleged infringement of the Pharmacy Acts proceedings were instituted (117 in 1936). The number of pharmacies inspected was 13,675 (9,358 in 1936), and 3,901 "drug stores and other shops" were visited (4,106 in 1936), as well as 1,268 (294 in 1936) listed sellers inspected on behalf of local authorities.

RESEARCH IN THE SOCIETY'S COLLEGE

The annual report of research work in the College of the Society was presented.

THE PRESIDENT said: I should like to refer to the annual report of research work carried out in the Society's College during 1937, which has just been published. The report contains a record of work which is a testimony to the vitality of the College as a research institution. Twenty-six papers have been published from various departments during the year.

EDUCATION COMMITTEE

The Report of the Education Committee meeting of February 1 was presented by Mr. P. F. Rowsell. An application for recognition of Leicester as a centre for written examinations was considered. In view of the proximity of Nottingham, the Committee was unable to see its way to grant approval. Among other matters, the Report showed that nine applications for concessions in respect of the examination regulations had been considered, seven of which were granted; that an application for permission to enter for a special preliminary examination under regulation 3 of the examination regulations had been granted; that the conditions in a manufacturing laboratory for the purpose of students wishing to undergo a practical course of study under articles of pupilage had been approved; that the conditions in the dispensary of a hospital had been approved in respect of the student on whose behalf the application was made; and that arrangements had been made for the dispensary of a hospital to be visited.

BENEVOLENT FUND COMMITTEE

The report of this committee showed that during the month eleven applications had been considered and grants made ranging from £13 to £28 10s. The secretary reported that recently a suggestion was received from Mr. A. A. Godkin, Tunbridge Wells, that the members in the district should be asked to have a collecting box for the Benevolent Fund. He undertook to send round and collect the boxes and then remit the contents to headquarters. The boxes would then be re-sealed and returned to the holders. The branch was consulted and agreed to the scheme. Six of the members decided to take the boxes and have been supplied.

MR. JACK suggested that boxes should be available to members in any part of the country, and it was stated that this would be borne in mind.

MR. ANTCLIFFE mentioned that £11 13s. had been obtained from weighing machines and suggested these should be used to the full. He reported receipt of a second instalment of £200 from the Trustees of the late Viscount Leverhulme, and £26 from the "J.D. Memorial," Cardiff. The Cardiff Branch had appointed a member to continue the work for the Fund so long carried on by Mr. Jenkins. Mr. G. T. Branch, a member of the Society who had gone to Rhodesia, had given £10 to the Fund.

ORGANISATION COMMITTEE

Reports were received from members who undertook to make inquiries into the activities of certain branches. The reports showed that meetings had been or would be arranged to take place in all but one of the branches, to be addressed by members of the Council.

The Committee considered resolutions for discussion at the Edinburgh Conference from the following Branches: Birmingham; Liverpool; Mansfield; Plymouth; Sheffield. It was recommended that the motions be circulated to the Branches for consideration and submission of amendments, if desired.

ESTABLISHMENT COMMITTEE

The report of the Committee included the Dean's report, which showed that Dr. Linnell had completed a series of lectures on chemotherapy, dealing with the relationship between chemical structure and physiological activity, including hypnotics, anaesthetics, local anaesthetics, antipyretics, antiseptics, organometallic compounds and the prontosil series. The lectures appeared to be well appreciated for the attendance at the first lecture was about 120, subsequent attendances being maintained between 70 and 80. Some 30 members of the class petitioned for a continuation of the series, but unfortunately it was not possible to arrange this during the present session. These series of evening courses were designed as refresher courses for pharmacists in the London area and have so far included lectures on biological products (Professor Burn), physiology (Professor Burn), sterilisation methods, both theoretical and practical (Mr. Berry), the last course being repeated the following session. In continuation of this policy, the Dean suggested that Dr. Coward be asked to give a series of lectures on vitamins, the subject to be treated in a very general way and without unduly stressing the methods of standardisation. He thought the subject would then be of great interest to many pharmacists, as there has been such a rapid development during the last few years.

FINANCE COMMITTEE

The financial statement showed that receipts since the last meeting, including a balance of £35 8s. 8d., amounted to £14,849 12s. 10d., comprising the following items:—Members' fees, £9,009 10s. 6d.; Premises fees, £2,574 12s.; Subscriptions, £211 11s. 6d.; College—School of Pharmacy, £58 12s. 3d.; College—Pharmacological laboratories, £353 10s. 6d.; College—University grant, £162 10s.; Registration fees, £92 8s.; Restoration fees, £7 7s.; Law—penalties and expenses, £63 13s.; Income from investments, £86 18s. 5d.; Rentals, £286 8s. 6d.; "Pharmaceutical Journal," £1,333 0s. 8d.; Pharmaceutical Press, £431 19s. 1d.; F.S.S.U.—Contributions, £26 17s. 3d.; F.S.S.U.—Refund, £114; Library—sale of books, £1 5s. 6d. Payments ordered at the last meeting amounted to £8,561 2s. 11d., and £6,250 had been transferred to deposit account, leaving a balance of £38 9s. 11d. The amount on deposit account was £35,300. Other balances were:—Benevolent Fund (current account), £35 2s. 2d. (amount on deposit account, £1,200); Benevolent Fund (donation account), 12s. 6d. (deposit account, £200); War Auxiliary Deposit Account, £200 1s. 5d. (deposit account, Nil); Hills Orphan Fund, £10 0s. 2d. (deposit account, £350); Orphan Fund, £46 4s. 2d. (deposit account, £250). Accounts amounting to £14,371 17s. 3d. were passed for payment, and the action of the secretary in making payments amounting to £2,182 9s. 1d. was approved.

LAW COMMITTEE

The report of this committee was presented by the chairman (Mr. J. Jack). It showed that in England, Scotland and Wales 1,131 chemists' shops, 108 listed sellers, and 50 drug store proprietors, grocers and similar traders had been visited by the Society's inspectors during the past month. It also showed that 194 drug stores and other premises had been visited by the Society's agents during the past month.

MR. JACK, in submitting the report, pointed out that there had not been one prosecution of a chemist during the month. He thought members throughout the country were being put on the right road.

HOWARDS' MAGAZINE.—We have recently received from Howards & Sons, Ltd., Ilford, a copy of the latest issue of "Pestle and Mortar," the magazine of the company (vol. 2, No. 3). It contains, among other things, notes on social matters and sports events, and shows its customary excellence in general arrangement.

Shopfitting and Display

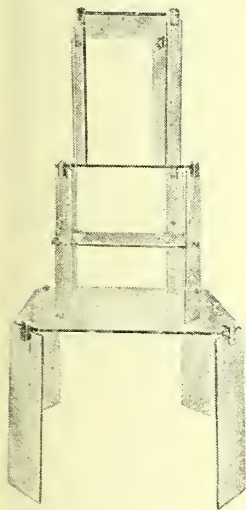
RAY-FILTER SUN-BLINDS.—Rhodialine Yellow-U cellulose acetate film has been successfully used in the form of sun-blinds for shop-windows to exclude the ultra-violet rays (which cause fading) while permitting full visibility. The material, in widths of 44 in., is manufactured by May & Baker, Ltd. (Rhodoid department), Dagenham.

A STEPPED SHOP-FRONT.—A modern shop-front with capacious windows has been installed for Loveitt & Bones, Coventry, by Harris & Sheldon, Ltd. The front is a combination of bronze and *vert tinos* (green Grecian) marble. Bronze-framed lanterns on either side of the stepped lobby make an



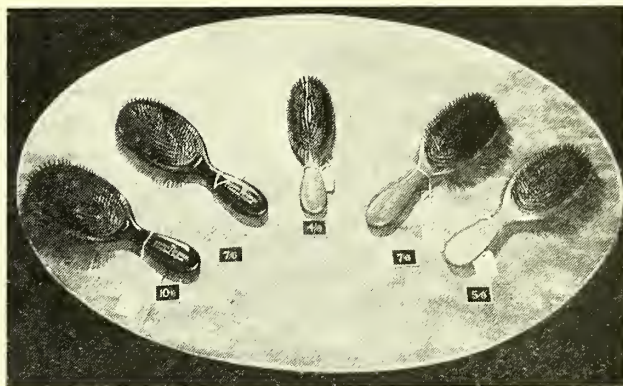
attractive addition, though it is doubtful whether features of this description have the same value as the carboy. Window enclosures are of oak veneer inlaid with walnut veneer. The over-transome glazing is obscured for nearly half its height by alternating deeply and lightly etched lines, which partially conceal the reflectors used for window lighting.

ALL-GLASS DISPLAY TABLES.—An extension of the system of making extemporised display stands with shelf-unions is illustrated. Wright Display Specialists, 2 Whitehorse Buildings, 100 High Holborn, London, W.C.1, supply the glass squares with trimmed corners that form the table-tops. The legs, equal in width to the cut corners, are standard glass shelves. All screws in the shelf-angles can be screwed up flush with a coin. The Wright unit builder is claimed as the original of its kind.



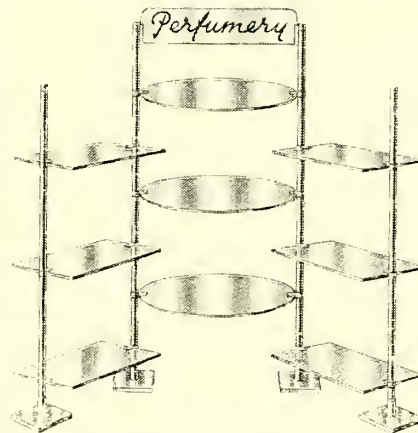
HAIR BRUSH HINTS.—Hair brushes may well feature as a regular display, the position and space being varied according to the time of the year, special notice being paid to Christmas-time, holiday-time (June to August), and school-opening time (September). Every brush on show should be plainly priced, and customers should be informed that each one sold carries an unconditional guarantee that, in the event of reasonable complaint, it will be replaced immediately. A small showcard bearing the guarantee may be used in the display; the feeling of confidence which it inspires is well worth the slight expense. Hair brushes that are slightly faded or shop-soiled should never be shown as stock, but disposed of by reducing the price and

putting them on show as a clearance line. The staff ought all to know how to handle a hair brush, be conversant with its good points: the quality of bristle, the setting of the bristles and the type of wood. They should also be able to advise



customers on the care of the brush in use, and the methods of cleaning and washing. Of the numerous hair brushes on the market, the rubber-cushioned variety is in most places found the easiest to stock, display and sell. Hair brushes frequently sell better when shown with companion lines such as lotions, hair creams, shampoos and combs. There are various shelf-clips available for the display of hair brushes, but the following method of display has been found by the writer to be most satisfactory: Cut a piece of stout card, or three-ply wood, into a semi-circle with a radius of 12 inches. Cover with white demy, pastel paper or silver or gold foil-paper. Place five hair brushes on the prepared board, their handles radiating from the centre base, making them fast by tying to the board with thin white dispensing twine. When each brush is priced, a striking and clear display unit results.

COMPOSITE GLASS-ROD DISPLAY STAND.—A useful stand suitable for perfumery products has been designed by Dudley & Co., Ltd., 451 Holloway Road, London, N.7. The stand is constructed of glass rods, bases and shelves, and is issued as a set of four glass rods 42 in. high with three glass ovals, size 18 in. by 12 in., and six glass oblongs size 12 in. by 9 in. The shelves are adjustable to any height, and as all the parts are standard units, replacements, if necessary, are readily obtained from the suppliers. Further particulars may be obtained from the makers, who also offer a fully illustrated catalogue of shop fittings and display needs.



"FITNESS."—What is really meant by that abominable word "fitness"? Fit for what kind of life and occupation? If the conception of fitness includes the attainment by the individual of the greatest height and muscular development possible to him is this an advantage from the point of view of health? Does good physique make for increased resistance to disease? Is it any benefit to one to carry about an excess of muscle not used in one's job? May not such an excess be just as injurious as an excess of fat and do harm by imposing extra work on the circulatory apparatus?—Dr. Robert Hutchison in "The Lancet."

Irish Drug Association

Annual Meeting

THE annual meeting of the Irish Drug Association was held in Dublin on January 24, Mr. P. A. Brady (president) in the chair.

PRESIDENT'S ADDRESS

The president reviewed the Association's work during the past fifteen months. Maintenance of prices, he said, was still the main object, but the field of their activities had been widened. Seventy-eight new members elected to December 31 brought the total membership to 656. During the fifteen months there were thirty-two meetings of the committee, numerous subcommittee meetings and one or two conferences with representatives of the Irish Union of Distributive Workers and Clerks. No less than 1,432 price changes and additions had been passed. This part of the Association's work, including circularising of the changes, had grown enormously in recent years. A determined effort was being made to form a local Association of Mayo chemists, and a meeting had been specially convened to take place in Castlebar. For some time



MR. P. A. BRADY

past they had had special meetings of provincial delegates. Each local Association was invited to send representatives to these meetings and to submit items for inclusion on the agenda. It was proposed to continue these meetings. An important development which took place in 1937 was the formation of a Wholesale Section, members of which must be on the Association's Approved List. It had been suggested that the admission of wholesale members might be undesirable, but as the wholesalers intended to organise in any event the committee felt that it was better to have them in the Irish Drug Association rather than see an entirely separate organisation of wholesalers formed. The Wholesale Section would not, of course, exercise any control over the Retail Section. If the Association existed for the sole purpose of publishing the price list, and keeping that list accurate and up to date, it would deserve the full support of all the pharmacists. There had been no relaxation of the rules forbidding discounts to guilds and similar bodies, and he was glad to say there were practically no complaints on that subject during the period under review. On a number of occasions the committee's attention had been drawn to the fact that the English retail prices were marked on certain lines, although the prices ruling in Ireland were higher. Each case reported was taken up with the manufacturers or wholesalers concerned, and the committee's suggestion that future supplies had labels affixed showing the correct retail prices was always accepted. In a number of instances it was necessary to draw attention to the rate of profit allowed to the retailer. When the number of prescriptions dispensed was considered the number of complaints of non-coding or failure to charge the coded price were very small indeed. "Before I pass from the matter of prices and price maintenance," said the president, "I have to draw attention to what may be described as a black spot. I refer to the developing and printing prices, and to Dublin in particular. As you all know, the Association has not issued a binding list of prices to cover this work. The reasons for not doing so are obvious: developing and printing work is not confined to chemists. . . . I think that a definite step towards the solution of this problem lies in the full support of the Photographic Dealers' Association by chemists." The Approved List scheme had continued to work satisfactorily, and the past year had seen the addition of many names. From time to time reports were received of approved lines being displayed by non-chemists. Investigation had always

shown that the manufacturers, their agents and wholesalers had adhered to their undertakings, and it had to be concluded that the retail chemist was responsible for such leakages. Apart from exceptional cases there could be no question of the chemist being an innocent party to these leakages. Because the committee felt that members owed a duty to manufacturers who had supported the Association they were going to ask members to pass amendments and additions to the rules. If the alterations were passed, the powers conferred on the committee would be used only where the offence was proved conclusively, and there was complete absence of extenuating circumstances. Dealing with "penny sales," the president said a series of questions on this problem were drafted. Notwithstanding reminders, barely half of the members completed and returned the form. The questionnaire resulted in replies from 187 Rexall and Nyal agents, who were fairly evenly divided on the future of "penny sales." Agents in favour of discontinuing the sales were only in favour of doing so if their colleagues did likewise. It was reasonable to suppose that if the Association tried to stop such sales those not in favour of discontinuing would have no option but to resign membership, while agents in favour of discontinuing would not in any way be bound to discontinue such sales, for the reason already given. The result of such action would therefore mean the resignation of nearly two hundred members. This would be a very serious matter and the consequences far-reaching. To endeavour to enforce what might be termed a majority verdict might well mean the end of the Association. The president said the agreement of June 1936 with the Irish Union of Distributive Workers and Clerks was now in force in practically all parts of the country, and there had been a noticeable avoidance of staff troubles and difficulties. There had been a little difficulty in connexion with membership of the Union, but he did not regard that as serious, and no doubt it would be cleared up shortly. The president observed that the two Shops Bills at present before the Dail were carefully considered by the committee and steps taken to ensure that their amendments would receive full consideration by the Government. It was not yet possible to say what would be the outcome of their efforts. Early in 1937 it became apparent that, by reason of new legislation affecting insurance companies, the Chemists' Defence Association could not renew policies with chemists in Ireland. No other company catered for this class of business. The committee therefore took up the matter and arranged with the Irish National Insurance Co., College Green, Dublin, to undertake it. The P.A.T.A. no longer received from Irish chemists the nominal subscription of 7s. 6d. to the P.A.T.A. automatically included in the old Chemists' Defence Association policy premium, and he urged all to support the Association by means of cash subscriptions.

Mr. G. A. McLean Lee, moving the adoption of the president's report, said he would like to combine with the motion a vote of thanks to Mr. Brady for the manner in which he had conducted the business of the Association during the past fifteen months.

Mr. A. F. Collins, Rathfarnham, seconded and moved that the standing orders be suspended to allow the question of "penny sales" being taken before the country members left.

The president said the standing orders could not be suspended since the treasurer's report had yet to be taken. The business would be gone through quickly to allow "penny sales" to be reached. The report was adopted.

TREASURER'S REPORT

Mr. G. A. McLean Lee (treasurer), submitting his report and statement of accounts, said they were now accounting for fifteen months. The year closed with a credit balance of £50, against a loss of £125 in the previous period. On the income side for the fifteen months were subscriptions £1,139; interest on conversion stock, £36; deposit interest, £5. On the expenditure side they had salary of secretary, £240; organiser, £316 17s. 6d.; travelling expenses of organiser, £332; travelling expenses of committee, £22; postages and telephone,

106; printing and stationery, £58; bank charges and cheque books, £2; legal and audit, £15; hire of rooms, £2; sundries, £37; leaving a balance of £50. They had assets value £1,432. On the other side they had sundry creditors, £59; subscriptions in advance, £500. The capital on October 1, 1936, stood at £823, to which had to be added the surplus of £50, which gave a total of £873.

On the motion of Mr. A. R. Lester, Cork, seconded by Mr. G. O'Neill, Blackrock, the report and statement were adopted.

ALTERATION OF RULES

The committee suggested the following alterations: Members of the Association shall not sell any goods which are enumerated on the Approved List of Manufacturers, at wholesale or semi-wholesale prices or by way of exchange, except to pharmaceutical chemists, registered druggists, or to members of the medical profession, hospitals, public institutions, and such bodies. The committee shall have power to penalise any member whose conduct or action constitutes a breach of the rules. Such penalty may be by way of a fine provided always that such fine does not exceed the sum of £50, or by expulsion under the provisions contained in Rule 4, or in such other manner as the executive committee shall decide.

The secretary (Mr. R. J. Kidney) read a letter from the Waterford Wholesale Chemists' and Druggists' Association on the subject.

Mr. D. J. Nugent, Dublin, proposed that the alteration be adopted, and Mr. A. F. Collins, Rathfarnham, seconded.

After some discussion the motion was passed.

Mr. Collins proposed, and Mr. T. J. Burke, Cavan, seconded, "that as the Association was now registered as a trade union, and it became necessary under the Rules and Orders applicable to trade unions that accounts should be made up annually to December 31, members should be asked to pay their subscriptions on October 1, 1938, for fifteen months instead of twelve months, at the rate of £2 2s. for the entire period." This was carried.

ELECTION OF COMMITTEE AND OFFICERS

Mr. Burke proposed, and Mr. T. C. Scott seconded, that the following outgoing members of the committee, who were eligible for re-election, should be re-elected *en bloc*: Mr. E. MacMahon, Sir Thos. Robinson, Messrs. L. G. Smith, A. R. Lester, F. X. Meagher, P. Liston, and P. F. McGrath, and the motion was carried.

On the motion of Mr. McLean Lee, seconded by Mr. E. McMahon, Miss Anne Macnamara was re-elected *Auditor*.

MOTION ON "PENNY SALES"

Mr. W. Butler, Birr, proposed: "That the policy of 'penny sales' is definitely harmful to chemists' interests, and should be abolished." Mr. Collins seconded. Mr. Butler said these sales raised doubts in the minds of the public as to the quality of the goods they got.

Mr. J. Gorry, Naas, supporting, said one of the objects of the Association was to prevent price-cutting. These sales showed all the chemists in the country up in a wrong light, the public concluded they had a hundred per cent. profit on everything. Mr. Gorry said the *questionnaire* sent out to members was not what was ordered at the last annual meeting. It should have been a simple question calling for the reply "Yes" or "No."

Mr. Scott expressed the view that the passing of the resolution would not solve the problem. If the 187 members were put out of the Association they could carry on with "penny sales." On the other hand, if these 187 agents agreed to stop the sales, the Rexall and Nyal companies might promptly tell them they ceased to be agents any longer, and then there would be a stampede of other chemists looking for the agencies. He suggested that a small committee of the wholesale and retail sections of the Association, and the Assistants' Union tackle the matter. If they all agreed that "penny sales" should be stopped they should be able to enforce their decision.

Mr. McLean Lee suggested that the whole matter be left to be discussed in a quieter atmosphere by the committee.

Mr. Gorry: The committee undertook to settle this question last year, but they have failed absolutely to do so. If they failed during the past twelve months, what guarantee have we that they will do something in the coming year?

The President: I am not prepared to run the risk of bursting up the Association. I want to get rid of "penny sales" and hold the Association together.

Mr. Burke proposed that the meeting ask Sir Thomas Robinson to arrange with the Committee of the I.D.A. to discontinue "penny sales," upon a date to be agreed. Mr. McMahon seconded.

Mr. J. J. Roche, Dublin, said he always adhered to the prices on the List, but none of the items sold at the "penny sales" were on the List. If they passed the resolution before the meeting there was no reason why they should not insist on members painting their shops red or displaying carboys. The whole thing was interference with the liberty of the members.

Sir T. Robinson said he would advise the meeting to go slow on this matter. What seemed coercion to him to-day might be coercion to them to-morrow.

Mr. B. P. Hickey, Rush, said he had no authority to vote on this question. He would like to know if any of the representatives from other local associations had authority to vote. Mr. Bree and Mr. Lester said they had no authority. Mr. Butler then withdrew his motion in favour of that on the agenda from Mr. Collins.

Mr. Collins then proposed, and Mr. Collis seconded, the following motion: "All 'penny sales,' 'bargain sales' and 'gift sales' be prohibited, and that any member taking part in any such sales after a period of three months from January 24, 1938, be expelled from the Irish Drug Association and debarred from obtaining goods from wholesalers on the Approved Lists of the Association. Any member expelled from the Irish Drug Association may be re-elected on payment of a fine of £50." Mr. Collins said if his motion was defeated he was still prepared to remain a member of the Association and abide by the decision of the majority. Others should do the same. Mr. O'Neill proposed as an amendment that a *questionnaire* be sent out to members, and Mr. M. O'Rourke seconded. Mr. Burke suggested that the Committee get together with Sir Thomas Robinson and the Nyal Co. to see and arrange matters amongst themselves.

Asked if he would agree to this proposal, Sir Thomas said he would have to consult his company.

Mr. Bolger: Will Sir Thomas use his influence with his company?

Sir Thomas Robinson said he would recommend to the Rexall Co. to place some of their lines on the list.

Mr. P. F. McGrath, Dublin, welcomed Mr. Burke's proposal as the most practical one they had for years.

After further discussion Mr. Burke moved "That the Committee meet in conference the manufacturers of Nyal and Rexall products to discuss the possibility of placing some of their lines on the Association's List." This motion was carried and the meeting concluded.

Election of Officers

At a meeting of the Committee on January 31 Mr. P. A. Brady was unanimously re-elected *President* for a second term of office; Mr. R. B. Brown was re-elected *Vice-President*, and the following were elected *Trustees* of the Association: Mr. G. A. McLean Lee, Dr. J. A. Mitchell and Mr. T. C. Scott.

Corner for Students

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 28 Essex Street, London, W.C.2."

QUALITATIVE ANALYSIS

THE fourth exercise in the current analytical tournament will consist of a mixture of not more than three salts. General particulars relating to this exercise are exactly on the lines of the opening exercise of the tournament series as detailed in our issue of November 13 (p. 563). Intending participants are referred to the announcement there printed.

Applications for portions of the mixture of salts (accompanied by a *stamped and addressed envelope*, not a stamp merely) will be received up to Tuesday, February 8, on which day the samples will be posted. Students' reports will be received up to Saturday, February 19.

Olive Oil

Details of world production, imports and exports of Olive Oil and a number of other leading vegetable oils are given in "Vegetable Oils and Oilseeds,"* published by the Imperial Economic Committee.

PARTICULARS of world production, in million cwt., is given in the following table. Empire output is small and is confined to Palestine and Cyprus:—

	1931-32	1932-33	1933-34	1934-35	1935-36	1936-37 (prov.)
Spain	6.9	6.9	6.1	6.2	8.7	(a) 7.0
Italy	4.4	4.1	3.2	4.3	4.1	3.0
Greece	2.0	2.6	2.1	2.4	1.7	1.3
Portugal	1.3	0.8	1.5	0.4	1.0	0.5
Turkey	0.2	0.7	0.4	0.6	0.5	0.4
Tunis	0.6	1.1	1.2	1.1	1.2	0.3
Algeria	0.5	0.3	0.2	0.3	0.3	0.2
Syria and Lebanon	0.2	0.1	0.3	0.2	0.2	0.2
French Morocco	0.2	0.2	0.1	0.2	0.1	0.2
France	0.1	0.2	0.1	0.1	0.2	0.2
Palestine	—	—	(b)	(b)	0.2	0.1
Yugoslavia	0.1	0.1	0.1	0.1	0.1	(b)
Tripolitana	0.1	0.1	0.1	0.1	0.1	(b)
Total	16.6	17.2	15.4	16.0	18.4	13.4

(a) Approximate figure based on trade estimates.

(b) Under 50,000 cwt.

Imports

Imports into the United States, the leading importer of olive oil, fell substantially in 1936. The chief European importers are France and Italy, although both are producers and also export olive oil. French imports were large in 1936, but Italian imports showed a heavy reduction. The quantities imported into Argentina and Uruguay have shown a marked decline since 1930 (in 1,000 cwt.):—

	1931	1932	1933	1934	1935	1936 (prov.)
<i>Empire countries—</i>						
United Kingdom	178	220	242	205	221	228
Palestine	1	9	42	37	43	1
Canada	56	51	41	54	66	34
Australia (a) ...	13	19	22	25	24	32
Union of S. Africa	3	3	4	4	5	5
Irish Free State	2	2	3	3	4	2
New Zealand ...	2	3	3	3	4	3
Malta	2	2	2	2	2	1
<i>Foreign countries—</i>						
United States (b)	1,086	1,173	1,102	909	1,110	807
France	418	497	502	506	563	(d) 620
Argentina	819	711	741	453	422	301
Italy	1,613	746	731	558	551	215
Cuba	129	158	170	164	178	(e)
Switzerland (c)	123	107	133	115	118	139
Germany	54	49	49	54	66	94
Uruguay	135	95	117	82	82	72
Brazil	52	104	95	96	81	90
Norway	26	76	63	44	65	64
Chile	47	16	7	6	25	10
Czechoslovakia	18	17	15	16	16	12
French Morocco	20	12	64	42	18	10
Belgium	11	12	12	10	8	9
Sweden	6	7	7	7	8	7
Netherlands ...	2	4	3	3	4	2
Denmark	2	2	2	2	2	2
Total of above countries	4,818	4,095	4,172	3,400	3,686	2,938

(a) Years ending June 30.

(b) Imports entered for consumption.

(c) Includes almond oil and oleine.

(d) Estimated net weight.

(e) Not yet available; assumed same as previous year for total.

Exports

Exports of olive oil from the producing countries were exceptionally large in 1930. They fell sharply in the following year and continued to decline until 1934. A substantial recovery in 1935 was followed by a further heavy fall in 1936, owing to the short crop and the disturbance of Spanish trade. Export figures for Spain for 1936 are not available. Shipments from Tunis, Italy and Algeria all showed a heavy decline in 1936. To conserve domestic supplies, Italy imposed early in 1937 an export duty of 150 lire per quintal on olive oil, while Portugal suspended shipments to all destinations excepting Brazil and the Portuguese colonies. France and Italy import unrefined olive oil, whereas their exports consist mainly of refined oil. Imports into both countries are considerable, and in the case of France are regularly larger than exports. It is probable that the figures shown in the following table exaggerate the exports of domestically produced oil. The following table gives particulars of shipments from the principal exporting countries (in 1,000 cwt.):—

	1931	1932	1933	1934	1935	1936 (prov.)
Spain	1,848	1,239	849	1,031	1,222	(a)
Tunis	248	408	1,112	950	812	519
Italy	1,156	891	687	474	381	274
France	200	181	190	181	248	256
Algeria	163	360	164	129	515	233
Greece	145	548	457	133	219	158
Syria and Lebanon	64	65	5	15	125	158
Portugal	36	79	66	61	53	74
Turkey	359	49	279	153	132	14
Palestine	16	14	6	5	10	9
Total of above countries	4,235	3,834	3,815	3,132	3,717	(a)

(a) Not available.

United Kingdom Imports

Imports of olive oil into the United Kingdom showed a further increase in 1936 but were still lower than the peak for 1933. Spain was the chief source of supply in all years except 1933, when it was supplanted by Greece, and 1935, when imports from Algeria were larger. In 1936 increased imports from Spain and France more than compensated for the cessation of supplies from Italy and Turkey. Imports from Algeria and Greece fell sharply in 1936 as compared with the previous year, but those from other sources recorded a substantial gain (in 1,000 cwt.):—

	1931	1932	1933	1934	1935	1936
<i>Empire countries—</i>						
Total, Empire	(a)	(a)	(a)	(a)	(a)	1
<i>Foreign countries—</i>						
Spain	86	78	48	88	47	84
France	30	27	31	27	22	35
Italy	25	32	36	30	21	(a)
Algeria	13	23	13	17	49	22
Greece (b)	15	36	95	17	29	(a)
Turkey	3	(a)	2	7	13	8
Others	6	24	17	19	40	78
Total, foreign	178	220	242	205	221	227
Total Imports ...	178	220	242	205	221	228

(a) Under 500 cwt. (b) Including imports of unrefined oil from Crete in all years except 1935 and 1936.

* Stationery Office, price 2s. 6d. net.

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, February 3

BUSINESS continues to move on rather quiet lines, with the volume perhaps a little better this week. The general tone is quite steady and spot stocks of most of the natural products are below normal. Re-export business to the near Continent has been quite good this week, particularly to the Baltic countries. The state of affairs in international currency exchange rates shows no sign of improvement to more settled conditions. A rumour that the dollar, franc and sterling might be linked together and stabilised does not now seem likely to be developed. The PHARMACEUTICAL CHEMICAL markets are showing but little change on the week; there are, however, isolated items that are being discounted on quotation, including one or two Convention products. The anticipated increase in SODIUM DIETHYL-BARBITURATE has been notified; this movement was caused by the advance in BARBITONE, reported this week.

Crude Drugs

A steady business, mostly for smallish quantities, is reported in these commodities, with values in most instances quite steady. Spot holders of AGAR continue to press for business at keen prices. ALOES are firm on spot, with no shipment offers of Curaçao. The small supply of Canada BALSAM is offered well below cost of 1st placement. More business in BUCHU on spot; shipment prices for new crop are slightly cheaper. Bergen reports a better tone in the shipment market for Norwegian COD-LIVER OIL. ERGOT continues to attract but little attention. Sudan GUM ACACIA remains dull and unsteady. LOBELIA HERB is selling fairly well on spot and values are steadier. Japanese MENTHOL continues about steady. PEPPERS are steadier. Quiet business in RHUBARB at steady prices; no shipment offers. RUBBER shows a loss again this week, closing steadier. More doing on spot in SENEGA; prices are better. SHELLAC is easier on the week. Business in BEES' WAX remains quiet and the tone is none too good. CARNAUBA WAXES show some loss on the week.

Essential Oils

Rather unsteady conditions are noted in a few products, due chiefly to recent exchange weakness. Business is only moderate, with the shipment markets rather neglected. ANISE (STAR) has been quiet and spot values are now barely steady. New crop BERGAMOT remains dull. A little business in CASSIA, with spot values about steady. Ceylon CINNAMON LEAF is dull. Java and Ceylon CITRONELLA have been irregular on quotation, with no confidence in the markets here. All descriptions of CLOVE quiet. Australian EUCALYPTUS continues competitive. GERANIUM oils are neglected, and values are more or less nominal. Reports from the source on Sicilian hand-pressed LEMON continue contradictory as regards the possible trend of quotations for new crop oil; this week prices indicated have covered a wide range on a rather lower basis, while the source reports the market tends firmer. MANDARIN is quoted dearer for shipment. Very few shipment offers of French GUINEA ORANGE again this week. Japanese PEPPERMINT is steady on spot and shippers' quotations are dearer, with the market reported firm. Good business reported in Spanish SPIKE and higher prices are now indicated for genuine oil.

Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	January 27	February 3
Amsterdam ...	Fls. to £	12·107	8·97	8·56½
Berlin ...	Mks. to £	20·43	12·40	12·40
Brussels ...	Belgas to £	nominal	29·60	29·57
Copenhagen ...	Kr. to £	18·159	22·40	22·40
Lisbon ...	Esc. to £	110	110½	110½
Madrid ...	Ptas. to £	25·24½	nominal	nominal
Milan ...	Lire to £	92·46	95	95½
Montreal ...	Dols. to £	4·86½	4·99½	5·00½
New York ...	Dols. to £	nominal	4·99½	5·00½
Oslo ...	Kr. to £	18·159	19·90	19·90
Paris ...	Fr. to £	124·21	153½	152½
Prague ...	Kr. to £	164·25	142½	142½
Stockholm ...	Kr. to £	18·150	19·40	19·40
Warsaw ...	Zloty to £	43·38	26½	26½
Zurich ...	Fr. to £	25·2115	21·63	21·61

Bank rate 2 per cent.

Pharmaceutical Chemicals, etc.

PRODUCTS in this market continue generally steady on quotation. The scale of prices for sodium diethylbarbiturate has been increased following the advance in barbitone.

ACETANILIDE.—Continues steady: B.P. crystals and powder, 1s. 7d. to 1s. 10½d. per lb., as to quantity.

AMIDOPYRINE.—Convention prices unchanged; the scale is as follows:—Crystals, two cwt., 9s. 4d.; one cwt., 9s. 8d.; less than one cwt., 10s. per lb., with powder 2½d. per lb. extra. Quoted ex store, London.

AMMONIUM ICHTHIOSULPHONATE.—One cwt., 1s. 6½d., in 14-lb. tins; 1s. 8d. in 1-lb. tins; 1s. 10d. in 8-oz. tins, and 2s. 1d. per lb. in 4-oz. tins.

ASPIRIN (TABLETS).—The following are agreed wholesale prices for the British makers: Under 5,000, 3s. per 1,000; 5,000, 2s. 11d.; 10,000, 2s. 10d.; 25,000, 2s. 9d.; 50,000, 2s. 8d.; 75,000, 2s. 7d.; 100,000, 2s. 6d.; 250,000 2s. 5d.; 500,000, 2s. 4d.; 1,000,000, 2s. 3d.; 2,000,000 and over, 2s. 2d. per thousand tablets. A rebate of 1d. per 1,000 is allowed on orders for 10 million tablets taken over a period of 12 months. For small quantities higher prices would be asked by wholesale distributors.

BARBITONE.—The scale of prices continues at the advance recorded last week: two cwt., 8s. 11d.; 56 lb., 9s. 2d.; less than 56 lb., 9s. 5d. per lb., ex store, London.

BENZOIC ACID (B.P.).—Fair business, market steady: quantities, ex works, 1s. 9d.; spot parcels, 1s. 10d. to 2s. 3d. per lb., ex store, as to quantity.

BISMUTH SALTS.—Makers' prices are steady: carbonate, B.P., not less than one cwt., 6s. 6d.; 28 lb., 6s. 9d.; 8 lb., 7s. 3d.; 4 lb., 8s.; less than 4 lb., 8s. 6d. per lb., with rebates on contracts for larger quantities.

BORAX (B.P.).—Makers' prices steady: granulated, £24; crystals, £25; powdered, £25 10s.; extra fine powder, £26 per ton, in one-cwt. bags, carriage paid buyers' works for minimum 1-ton lots. Extra for smaller quantities. Commercial quality, £8 per ton less for all descriptions.

BORIC ACID (B.P.).—Makers' prices continue steady: granulated, £26 10s.; crystals, £37 10s.; powder, £38 10s.; extra fine powder, £40 10s. per ton, in 1-cwt. bags, carriage paid to buyers' works on 1-ton minimum. Commercial quality £8 per ton cheaper for all descriptions.

BROMIDES.—Makers' scales of prices steady. POTASSIUM, B.P., five cwt., 1s. 8d.; one cwt., 1s. 9d.; 28 lb., 2s. per lb. SODIUM, B.P., five cwt., 1s. 10d.; one cwt., 1s. 11d.; 28 lb., 2s. 2d. per lb. AMMONIUM, B.P., five cwt., 1s. 11d.; one cwt., 2s.; 28 lb., 2s. 3d. per lb. net. Resale clause applies, 28-lb. parcels and one-cwt. cases free. Smaller quantities than 28 lb. at higher prices. Export quotations are maintained, as follows: POTASSIUM, B.P., five cwt., 1s. 4d.; one cwt., 1s. 4½d. SODIUM, B.P., five cwt., 1s. 5d.; one cwt., 1s. 5½d. AMMONIUM, B.P., five cwt., 1s. 6½d.; one cwt., 1s. 7d. per lb., 1.0.0.

BUYL CHLORAL HYDRATE.—Remains quiet: spot, 14 lb., 8s.; 7 lb., 8s. 3d.; 1 lb., 8s. 6d. per lb., in 1-lb. bottles.

CAFFEINE.—The scales for Continental material, duty paid, in 5-lb. tins, are as follows:—Pure alkaloid, two cwt., 8s. 10½d.; one cwt., 9s. 0½d.; 56 lb., 9s. 2½d.; less than 56 lb., 9s. 4½d. per lb. Citrate, two cwt., 5s. 11½d.; one cwt., 6s. 0½d.; 56 lb., 6s. 1½d.; less than 56 lb., 6s. 2½d. per lb. Soda sal., two cwt., 6s. 2½d.; one cwt., 6s. 3d.; 56 lb., 6s. 4½d.; less than 56 lb., 6s. 5½d. per lb. English makers' prices as follows: Pure alkaloid, two cwt., 9s.; one cwt., 9s. 2d.; 56 lb., 9s. 4d.; less than 56 lb., 9s. 6d. per lb. Citrate, two cwt., 5s. 11d.; one cwt., 6s.; 56 lb., 6s. 1d.; less than 56 lb., 6s. 2d.

CITRIC ACID (B.P. CRYSTALS).—Continues steady at former figures: British material quoted at 1s. 0½d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers' prices for imported material are competitive.

COCAINE.—British makers' prices for wholesale bulk quantities are quoted as follows:—HYDROCHLORIDE and NITRATE, 25 oz. and over, 29s. 6d.; 16 oz. and less than 25 oz., 30s. 9d.; over 8 oz. and less than 16 oz., 31s. 9d. per oz. PURE, CITRATE and SALICYLATE, 25 oz. and over, 32s. 6d.; 16 oz. and less than 25 oz., 33s. 6d.; over 8 oz. and less than 16 oz., 34s. 6d. per oz.; 16-oz. packages free, smaller packing extra. The scales of prices applicable to distributors of smaller quantities are as follows:—HYDROCHLORIDE and NITRATE, 8 oz., 34s. 1d.; 4 oz. and less than 8 oz., 34s. 7d.; 2 oz. and less than 4 oz., 35s. 5d.; 1 oz. and less than 2 oz., 36s. 5d.; ½ oz. and less than 1 oz., 37s. 11d.; ¼ oz. and less than ½ oz., 40s. 11d. per oz. PURE, CITRATE and SALICYLATE, 8 oz., 36s. 10d.; 4 oz. and less than 8 oz., 37s. 4d.; 2 oz. and less than 4 oz., 38s. 2d.; 1 oz. and less than 2 oz., 39s. 2d.; ½ oz. and less than 1 oz., 40s. 8d.; ¼ oz. and less than ½ oz., 43s. 8d. per oz., packages extra. Resale: Sales

subject to buyers undertaking not to resell any quantity at below the scale price for such quantity current at the time of resale. Export prices vary according to destination.

CREAM OF TARTAR.—Market is steady: British material, 99 to 100 per cent., 92s. per cwt., less 2½ per cent. discount. Dealers' prices for foreign material competitive.

CREOSOTE (B.P.).—Slow demand: bulk quantities, in 25-kilo demi-johns, 1s. 6d.; small parcels, 1s. 7½d. to 2s. per lb., ex store.

EPHEDRINE.—The demand for the B.P. Hydrochloride continues extremely small, and values are nominally unchanged at 14s. to 14s. 6d. per oz. Pure alkaloid would be about 19s. per oz.

GALLIC ACID.—Limited demand, market steady: one cwt., 3s.; 56 lb., 3s. 1d.; smaller parcels, up to 3s. 6d. per lb., ex store.

IODIDES.—The agreed scales of prices are as follows:—**POTASSIUM, B.P.**—1 cwt., 4s. 6d.; 28 lb., 4s. 9d.; 14 lb., 5s.; 7 lb., 5s. 6d.; 4 lb., 6s.; smaller quantities, 6s. 6d. per lb. **SODIUM, B.P.**, 28 lb., 5s. 9d.; 14 lb., 6s. 1d.; 7 lb., 6s. 7d.; 4 lb., 7s. 3d.; smaller quantities, 8s. 1d. per lb. **IODINE, B.P., RESUBLIMED.**—1 cwt., 5s. 4d.; 28 lb., 5s. 7d.; 14 lb., 5s. 10d.; 7 lb., 6s. 4d.; 4 lb., 7s.; smaller quantities, 7s. 9d. per lb. **IODOFORM, B.P., CRYST., PRECIP. OR POWDER.**—28 lb., 8s.; 14 lb., 8s. 4d.; 7 lb., 9s.; 4 lb., 9s. 10d.; smaller quantities, 10s. 8d. per lb. Contracts for one cwt. and upwards (assorted if required) with fall clause, with delivery as required during four months. 28-lb. tins and one-cwt cases free. All jars and bottles charged, but credited if returned carriage paid, in good condition, within three months. Assorted quantities are charged at the collective total weight. It is a condition of sale that buyers undertake not to resell any quantity of the above products at prices or terms below the scale for any such quantity current at the time the resale is made.

METHYL SALICYLATE.—Quoted unchanged, limited business: spot, ten cwt., 1s. 1½d.; five cwt., 1s. 2d.; one cwt., 1s. 2½d.; less than one cwt., 1s. 2½d.; small quantities, in bottles, up to 2s. per lb.

PHENACETIN.—Average spot demand, quoted unchanged: crystals or powder, bulk quantities, 2s. 6d.; smaller parcels, 2s. 7d. to 3s. per lb., as to quantity.

PHENAZONE.—Values about steady, business quiet: crystals, five cwt., 6s. 9½d.; two cwt., 7s.; one cwt., 7s. 3d.; and less, 7s. 6d. per lb., with powder 2½d. extra. Quoted duty paid, London.

PHENOLPHTHALEIN.—Quotations maintained, limited inquiry: two cwt., 2s. 9d.; one cwt., 2s. 10d.; 28 lb., 3s.; 14 lb., 3s. 1d.; 7 lb., 3s. 2d.; smaller parcels, up to 3s. 6d. per lb.

PHENYLETHYLBARBITURIC ACID.—Dealers are quoting small spot parcels at about 21s. to 22s. per lb., in 2-lb. bottles.

PHOTOGRAPHIC CHEMICALS.—Home makers' prices continue steady at the revisions recently recorded. **AMIDOL.**—28 lb., 8s.; 14 lb., 8s. 9d.; 7 lb., 9s. 6d., in free 7-lb. tins; under 7 lb., 12s. per lb., in free 1-lb. bottles. **CHLORQUINOL.**—1-lb. bottles, 21s. per lb. **GLYCIN.**—7 lb., 10s. 6d.; 1-lb. bottles, 13s. 6d. per lb. **HYDROQUINONE.**—56 lb., 4s. 10½d.; 28 lb., 5s.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; in 1-lb. bottles, 6s. 6d. per lb. **METOL.**—28 lb., 9s. 6d.; 14 lb., 9s. 9d.; 7 lb., 10s. 6d.; 3 lb., 11s. 6d.; 1-lb. bottles, 12s. 6d. per lb. **ALUM (PHOTOGRAPHIC QUALITY).**—1 cwt., 12s. per cwt.; 28 lb. for 6s. **GOLD CHLORIDE.**—15-grain tubes, 45s. per doz. **MAGNESIUM POWDER.**—10s. per lb. **PARAMIDOPHENOL HYDROCHLOR.**—8s. 6d. per lb. **POTASSIUM FERRICYANIDE.**—14 lb., 2s. 2d.; 7 lb., 2s. 4d.; 1 lb., 2s. 6d. per lb. **POTASSIUM METABISULPHITE.**—One cwt., 7½d.; 28 lb., 8d.; 14 lb., 9d.; 7 lb., 11d.; 1 lb., 1s. per lb. **PYROGALLIC ACID, CRYST.**—28 lb., 7s. 3d.; 14 lb., 8s.; 7 lb., 8s. 9d.; under 7 lb., 9s. 3d. per lb. **SODIUM (CARBONATE RECRYST.).**—5 cwt., 12s. 6d. per cwt.; 1 cwt., 15s. 6d. per cwt.; 56 lb. for 11s. 6d.; 28 lb. for 6s. **SODIUM HYPOSULPHITE, CUBES, CRYST.**—5 cwt., 17s.; 1 cwt., 19s. 6d. per cwt.; 56 lb. for 11s. 6d.; 28 lb. for 6s. **SODIUM SULPHIDE (PURE).**—7 lb., 1s. 9d.; 1 lb., 2s. per lb., bottles and jars free. **SODIUM SULPHITE, RECRYST.**—One cwt., 21s. 6d. per cwt., 56 lb. for 13s. 6d.; 28 lb. for 7s.

QUININE SALTS.—Convention prices continue unchanged: sulphate, 2s. 2d.; bisulphate, 2s. 2d.; ethyl carbonate, 2s. 9½d.; salicylate, 2s. 10½d.; hydrochloride, 2s. 8½d.; dihydrochloride, 3s.; hydrobromide, 2s. 8½d.; dihydrobromide, 3s.; valerianate, 3s.; hydrosulphite, 4s.; alkaloid, 3s. 10½d. per oz., carriage paid on bulk quantities; 100-oz. tins free, smaller packages extra.

SALICYLIC ACID (B.P.).—A moderate inquiry, quoted unchanged: five cwt., 1s. 7d.; one cwt., 1s. 7½d.; 28 lb., 1s. 10d.; 14 lb., 1s. 11½d.; 7 lb., 2s. 0½d.; 4 lb., 2s. 2½d.

SALOL.—Quotations for bulk quantities are competitive on a dull market: from about 2s. 3d. to 2s. 7d. per lb., as to quantity.

SANTONIN.—Cheap sellers, with very little business of any size moving. Nominally £15 per kilo.

SODIUM BENZOATE (B.P.).—Rather keen, fair business: bulk quantities, 1s. 6d.; smaller parcels, 1s. 7d. up to 2s. per lb., as to quantity.

SODIUM DIETHYLBARBITURATE.—Following the increase in barbitone the scale of prices for this product has been increased 1s. per lb.: spot, one cwt., 11s.; 28 lb., 11s. 3d.; 14 lb., 11s. 6d.; 7 lb., 11s. 9d.; smaller parcels, up to 12s. 3d. per lb.

SODIUM SALICYLATE (B.P.).—Makers' quotations steady; moderate business: home trade, crystals or powder, five cwt., 1s. 5½d.; one cwt., 1s. 6d.; 28 lb., 1s. 9d.; 14 lb., 1s. 10d.; 7 lb., 2s.; 1 lb., 2s. 3d. per lb.

Crude Drugs, etc.

AGAR.—Rather quiet with holders of old crop on spot pressing for business; shipment market steady: spot, Kobe, No. 1, 3s. 4½d. to 3s. 6d.; No. 2, 3s. 4d. Yokohama, No. 1, 3s. 4d. per lb., shipment; Kobe No. 1, January-February, 2s. 7½d.; February-March, 2s. 7d.; No. 2, February-March, 2s. 4d.; Yokohama No. 1, 2s. 4d. per lb., c.i.f., with cabled bids at less refused.

ALKANET ROOT.—Dealers are quoting small spot parcels at about 47s. 6d. to 50s. per cwt., ex store.

ALOE.—Limited demand on spot with values keeping fully steady: Cape, spot, 63s. to 64s.; shipment, about 62s. 6d. per cwt., c.i.f. Curaçao, spot, manufacturing quality, 140s.; smooth black, turning, 145s.; livers, from 147s. 6d. to 155s. per cwt.; shipment, nominal at 140s. per cwt., c.i.f.

ANTIMONY.—Chinese crude, spot, £47; shipment, February-March, £41 per ton, c.i.f. English regulus, £81 to £82 per ton, ex store.

ARCA NUTS.—Spot supplies of fair Ceylon are offering at about 30s. per cwt., ex store.

BALSAMS.—Spot holders of any Canadian would now want at least 6s. 6d. per lb.; shipment, 7s. 6d. per lb., c.i.f. *Tolu*, 1s. 9d.; *Copaiba*, 2s. to 2s. 1d.; *Peru*, 5s. 4d. per lb., spot.

BENZON.—Steady small business moving. Siam, medium almonds, £26; bean and pea, £22; pea, £20; grain, £15 per cwt.

BUCHU.—Quite a fair spot business in old crop leaves is reported with prices at the decline steady. Rounds, 1s. 8d. to 1s. 11d. for yellow to fair. Ovals range from 1s. 7d. for yellow up to 1s. 9d. per lb. for good quality. The shipment offer for new crop, February-March, is now 1s. 9d., c.i.f., and possibly a fraction less would be taken for a good quantity.

CAMPION.—The demand has been quiet; quoted unchanged throughout: Japanese manufacturing BB grade, £8 10s. per 100 lb. Japanese spot, tablets, 2s. 7½d.; powder, 2s. 4d.; slabs, 2s. 3½d. per lb., ex store; shipment, tablets, 2s. 3d.; powder, 2s. 1d.; slabs, 2s. 0½d. per lb., c.i.f.; English refined flowers, one cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 8 oz. and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz., ½ oz., and ¼ oz., 3s. 6d. per lb.

CANTHARIDES.—Business quiet: Chinese, spot, 2s. 3d.; shipment, 1s. 7½d. per lb., c.i.f.

CARDAMOMS.—Market has been rather lifeless: Aleppy, green, spot, 4s.; shipment, 2s. 8d., c.i.f., for f.a.q. Duckwari seed, spot, 5s. 6d.; Bombay seed, spot, 5s. 9d.; shipment, 4s., c.i.f. Mangalore seed, shipment, 3s. 8d. per lb., c.i.f.

CASCARA SAGRADA.—Market is keeping steady, but the demand remains quiet: spot, 1937 peel, 55s. to 57s.; old peel, 65s. to 70s. per cwt.; shipment, 1937 peel, 48s. per cwt., c.i.f.

CELERY SEED.—Dealers are quoting bulk quantities on spot at about 85s. per cwt., ex store.

CHAMOMILES.—Dealers' prices for small parcels of 1937 best white flowers are quoted at 175s. per cwt., ex store, and 1936 at 120s.

CLOVES.—Values are quite steady, business moderate: Zanzibar, spot, 8d.; shipment, February-April, 7½d. per lb., c.i.f. Madagascar, in bond, 6½d.; shipment, February-April, 6½d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended January 29 were *nil* and the deliveries 5, leaving a stock of 986. From January 1 to date the landings of Zanzibar have been *nil* and the deliveries 93. Landings of Madagascar for the week ended January 29 were *nil* and the deliveries 91, leaving a stock of 1,893. From January 1 to date the landings of Madagascar have been *nil* and the deliveries 192 packages.

COCONUT (DESSICATED).—At the further decline the market remains quiet: spot, fine, 19s.; medium, 18s. 6d. per cwt.; shipment, halves, February, 17s.; March, 17s. 3d. per cwt., c.i.f.

COD-LIVER OIL.—Bergen reports Lofoten fishing commenced this week. Shipment market is steadier with more business reported: finest Lofoten steam refined non-freezing medicinal oil, 91s. to 92s. per barrel, c.i.f. London. Small lots on spot, about 132s. 6d. per barrel, ex store, duty paid. British finest medicinal oil continues at the advance recently recorded, with the quotation now at 115s. per 25-gallon drum, delivered U.K., with rebates for 25 or more drums.

DERRIS ROOT.—The spot quotation for 17 per cent. ether extract is in the region of 7d. per lb.; shipment, about 5½d. per lb., c.i.f. Market remains quiet.

ERGOT.—Some Spanish-Portuguese quoted on spot from 4s. 10½d. up to 5s. 3d.; shipment offers of Portuguese at 4s. 3d., c.i.f. Russian, spot, 4s. 11d. Bulgarian, good bold seed, 4s. 6d. per lb., c.i.f.

GAMBGE.—Some Siam pipe, duty paid, from £13 to £13 10s. per cwt., as to quality.

GENTIAN.—Good clean French root is from 42s. 6d. with Continental at rather cheaper figures.

GINGER.—West African is steadier: spot, 47s.; for arrival, April-May, 37s. 6d., c.i.f. Jamaican, spot, bold, in barrels, 82s. 6d. to 85s.; grinding, in bags, 60s. to 62s. 6d. per cwt., ex store.

GUM ACACIA.—Still but little good-sized business doing, with values remaining at recent levels. Kordofan, cleaned sorts, spot, 42s. 6d.; shipment, 37s. 6d. per cwt., c.i.f.

HENBANE.—Dealers are asking about 77s. 6d. to 80s. per cwt., ex store, for small spot parcels.

HENNA.—Not much demand. Egyptian, green, 31s.; brown, about 7s. 6d. per cwt., for fair quantities.

HONEY.—While values are being steadily maintained, the demand continues very moderate: Jamaican, dark manufacturing, 37s. up to 48s. for pale set. Californian is held for 50s., duty paid, and any Canadian is steady at 55s. per cwt., ex store.

HYDRASTIS.—Values are unchanged on a quiet market: spot, 15s. 3d.; shipment, 15s. per lb., c.i.f.

IPECACUANHA.—Values about steady, business light: Matto Grosso, B.P. test, spot, 8s.; shipment, 7s. 4½d. per lb., c.i.f.

IRISH MOSS.—Spot supplies are quoted from about 45s. to 60s. per cwt. for small parcels of the best qualities.

KOLA NUTS.—African halves quoted spot from 2½d. to 2¾d. St. Lucia halves, about 4d. per lb. for good bright quality.

LAVENDER FLOWERS.—Supplies of good blue flowers are available on spot at 1s. 6d. per lb., ex store.

LOBELIA HERB.—Business continues fairly satisfactory, market steadier: spot, 6½d. to 7½d.; shipment, new crop, 7½d. per lb., c.i.f.

LYCOPodium.—Dealers indicate the spot value in the region of 5s. 3d. per lb.

MANNA.—Spot supplies of finest selected flake, in 1-lb. tins, quoted at about 3s. 6d. per lb.; demand slow.

MENTHOL.—Fair business, particularly for export to the Continent: K/S brands, spot, 12s. 6d. to 12s. 9d.; in bond, 11s.; Japanese shippers quote February-March, 11s., c.i.f., and March-April, 10s. 10½d., c.i.f. Market buyers of any position at 10s. 6d. per lb., c.i.f., with sellers at 10s. 7½d.

MERCURY.—First-hands quotations continue unchanged: f.o.b. Continent, 64 dollars; spot, £12 17s. to £12 17s. 6d. per bottle, ex store, London.

OPIMUM.—Market steady, with more business moving: Turkish, original cases of 170 lb., 13 per cent., 1s. 1¼d.; Iranian, 12 per cent., 1s. 1d. per unit, landed and duty paid.

ORANGE PEEL.—New crop, thin cut, bright colour, quoted at 1s. per lb., "in bond."

PEPPER.—With prices slightly better, the market is now steady: Lampung, in bond, 2½d.; shipment, March-May, 2½d.; April-June, 2½d., c.i.f. Tellicherry, spot, 4d.; shipment, February-April, 31s. 6d., c.i.f. Aleppy, spot, 3½d.; shipment, February-April, 31s. 6d., c.i.f. White Muntok, in bond, 4d., nominal; shipment, March-May, 4½d.; April-June, 4½d., c.i.f., sellers. London Terminal Market: Black, February, 2½d.; March, 2½d.; May, 2½d. White, February, 4d.; March, 4½d.; May, 4½d. per lb.

PIMENTO.—Market is about steady, business quiet: spot, 7½d. per lb.; shipment, February-April, 69s. per cwt., c.i.f.

RHUBARB.—Business has been rather slow, but values are fully steady; no shipment offers: Shensi, best quality, 5s.; old and very slightly wormy, 4s. 6d.; some good pickings at 4s.; flat high dried, 2s. 4½d. to 2s. 7d. per lb., as to quality, ex store.

RUBBER.—At the decline the market tends rather steadier: standard ribbed smoked sheet, spot, 7d.; February, 7d.; March, 7½d.; April-June, 7½d.; July-September, 7½d.; October-December, 7½d. per lb.

SAFFRON.—Small spot demand, with dealers quoting genuine Valencia from 67s. to 70s. per lb., ex store.

SARSAPARILLA.—Some bales of Jamaica native red quoted from 1s. 2d. per lb. No grey offering.

SEEDS.—ANISE.—Spot, duty paid, Spanish, 65s.; Bulgarian, 42s. 6d.; Syrian, 42s. CANARY.—Market firmer; spot prices quoted duty paid: Mazagan, 19s.; Turkish, 17s. 6d.; Plate, 17s.; Spanish, 27s. 6d. to 37s., according to quality. CARAWAY.—Dutch on spot is 35s., duty paid, and 30s., f.o.b., Holland. CORIANDER.—Morocco on spot is now offered at 24s. 6d., duty paid. Very little business passing. CUMIN.—Spot, Malta quoted at 45s., duty free; Morocco, 40s. 6d., duty paid. FENUGREEK.—Morocco, spot, is offered at 13s. 9d., duty paid. No buyers. MUSTARD.—English, 20s. to 31s. per cwt., according to quality.

SENEGA.—A little more doing on spot, with the value steadier at 2s. 2d.; shipment, 2s. 2d. per lb., c.i.f.

SENNA.—Inquiry has not been of much account, but values remain fully steady. Tinnevely leaves of fair colour are offering on spot as follows: bold, at 6½d.; No. 1, at 5½d.; No. 2, at 3½d.; No. 3, at 2½d.; No. 4, at 2½d. per lb. Tinnevely hand-picked pods, best palish green quality, is available at 6d., with darkish quality offering at 3½d. to 4d. per lb. Alexandrian hand-picked pods.—Finest selected quality still continues scarce, and consignments of new crop are awaited. Spot quotations are as follows: selected, at 5s. to 5s. 3d.; No. 1, at 3s. 6d. to 4s.; No. 2, at 2s. 3d. to 2s. 9d.; No. 3, at 1s. 6d. to 2s. per lb., with lower grades offering at 1s. to 1s. 3d. per lb., ex wharf. Manufacturing Alexandrian pods.—There has been some big business doing, and the bulk of the accumulated parcels which have been in warehouse for some years have changed hands, and the position has now firmed up very considerably, and higher prices are likely to rule during the next few months. Sellers on the spot quote 3d. to 4d. per lb., and the forward shipment price comes at 3½d. to 3¾d. per lb., c.i.f., London.

SHELLAC.—At the decline the market is steadier: spot, standard TN orange, 41s. to 44s.; fine orange, 57s. 6d. to 110s.; pure button, 55s. to 60s. per cwt. For delivery, TN, March, 40s. 6d.; May, 41s. paid. For arrival, TN, January-February, 40s. 6d. per cwt., c.i.f.

SLEPPERY ELM BARK.—Moderate inquiry, quoted unchanged: grinding quality, 6½d.; clippings, 8½d.; selected loose slabs, 1s. 2d.; 5-lb. wired bundles of selected quality are firm at 2s. 3d. per lb., ex store.

SQUILL.—Dealers are quoting spot supplies at about 27s. 6d. per cwt. for small parcels.

TONKA BEANS.—Values for spot supplies of fair frosted Para beans are steady at 3s. 3d. to 3s. 4d. per lb., ex store.

TRAGACANTH.—A fair amount of inquiry, with some limited sales reported; prices for all qualities of gum are quoted unchanged.

TURMERIC.—The quoted value of Madras finger is maintained at 29s. per cwt., ex store.

WAXES.—BEES'.—Spot business quiet; offers from the source restricted: Calcutta, bleached, spot, 135s.; shipment, January-February, 132s. 6d., c.i.f.; ordinary quality, spot, 110s.; shipment, January-February, 105s. per cwt., c.i.f. Benguella, in bond, 105s.; shipment, January-February, origin, 100s., c.i.f. Conakry, spot, 105s.; shipment, January-February, 100s., c.i.f. Dar-es-Salaam, spot, 115s.; shipment, January-February and February-March, short and firm at 110s., c.i.f. CARNAUBA: Market remains quiet; values rather easier; business limited. Fatty, grey, spot, 155s.; afloat, 150s.; shipment, January-February, 145s., c.i.f. Chalky, grey, spot, 155s.; afloat, 147s. 6d.; shipment, January-February, 142s. 6d., c.i.f. Primeira, spot, good quality, 205s.; afloat, 190s.; shipment, January-February, 177s. 6d., c.i.f. Mediana, spot, 190s.; shipment, 170s. per cwt., c.i.f.

Essential and Expressed Oils, etc.

BUSINESS has been no more than fair this week and orders continue to be mostly for near requirements. French Guinea orange is fully maintained. Sicilian lemon is irregular. Japanese peppermint tends firmer forward.

ALMOND.—Moderate spot business at keen prices: English-made, cwt. lots, 2s. 7½d.; smaller parcels, up to 3s. per lb.; foreign, cwt. lots, 2s. 7½d.; smaller parcels, up to 3s. per lb. French bitter, 6s. 3d. per lb.

AVOCADO PEAR OIL.—Dealers' prices are steady: Californian oil steady at 47s. 6d. to 55s. per gallon, as to quantity, ex store.

ANISE (STAR).—A quiet spot demand continues, with values about maintained; only drums offered for shipment: spot, leads, 5s.; tins, 4s. 9d.; drums, 4s. 6d. per lb., ex store; shipment, drums, 3s. 10½d. per lb., c.i.f., paid and quoted.

BOIS DE ROSE.—Spot market quiet but steady, with Brazilian oil in drums at 6s., and smaller quantities up to 6s. 4½d. per lb.

CAJUPUT.—Not much business and rather competitive quotations: B.P., 2s. 4d. to 2s. 7½d. per lb., as to quantity.

BERGAMOT.—Consortium quotations appear to be maintained in the region of 14s. 9d. to 15s. per lb., c.i.f., for new crop oil in bulk quantities. Business, so far as this market is concerned, seems to have remained unimportant, and advices from the source indicate that the general position is not altogether satisfactory.

CANANGA.—Small spot business at keen prices: spot, about 6s., with smaller parcels up to 6s. 4d. per lb.; shipment, 5s. 1d. per lb., c.i.f.

CARAWAY.—Moderate spot inquiry: Dutch rectified, 7s. 3d.; crude, 6s. 9d. per lb., landed and duty paid.

CASSIA.—Not much spot demand: quoted from 3s. 6d. to 3s. 9d., as to quantity and packing; leads offered for February-March shipment at 3s. 2d.; and drums at 3s. 1d. per lb., c.i.f.

CEDAR LEAF.—Values about steady, with small spot parcels at 5s. per lb., ex store.

CEDARWOOD.—Bulk quantities quoted at keen figures: African, in drums, 11½d.; smaller packages, up to 1s. 3d. per lb. American, in drums, 11½d.; smaller packages up to 1s. 3d. per lb.

CINNAMON LEAF.—The shipment quotation for Ceylon oil is unchanged at 2s. 6d. per lb., c.i.f., in drums. Business slack.

CITRONELLA.—Shipment quotations for both oils have jumped about daily during the past week, but remain at low levels. There has been a little more doing: Ceylon, spot, drums, 1s. 6½d.; smaller parcels, up to 1s. 9d.; shipment, drums, 1s. 4d., c.i.f. Java, spot, drums, 1s. 11d. to 2s.; smaller parcels, up to 2s. 3d.; shipment, drums, 1s. 5½d. per lb., c.i.f.

CLOVE.—Shipment business in these oils is quiet, with quotations nominally unchanged: Madagascar, shipment, about 2s. 6d., c.i.f., in drums. Zanzibar stem oil, about 3s. 2d. per lb., c.i.f., in drums.

EUCALYPTUS.—Some spot and forward offers for 70 to 75 per cent. oil continue cheap, but the best brands keep steady: 80 to 85 per cent. oil is reported short at the source: Australian, 70 to 75 per cent., tins, 1s. 7½d. to 1s. 7½d.; drums, 1s. 6½d.; 80 to 85 per cent., drums, 1s. 9½d. per lb., landed; higher prices for small lots on spot. Shipment, 70 to 75 per cent., tins, 1s. 5d.; drums, 1s. 4½d.; 80 to 85 per cent., 1s. 6½d. per lb., c.i.f.

GERANIUM.—Market is dull and irregular, with some low spot prices noted; shipment nominal: Bourbon, spot, 13s. 6d. to 14s. Algerian, spot, 13s. 6d. to 14s. per lb.

GINGERGRASS.—Isolated shipment offers have been in the region of 6s. 6d. per lb., c.i.f.

GRAPE-FRUIT.—Quotations are unchanged, business light: Californian, 10s. 6d. to 12s. Florida, 10s. 6d. to 11s. 3d. per lb., as to quantity.

HO (SHIU).—Fair amount of small spot business, with values quite steady: "improved" quality, in drums, 4s. to 4s. 1d.; "extra" quality, 4s. 3d., in drums; shipment, "extra" quality, only offered at 3s. 10d. per lb., c.i.f., in drums.

JUNIPER BERRY.—Spot prices vary as to quality, with genuine oil ranging from 3s. 3d. to 4s. per lb., as to quantity.

LAVENDER.—Fair amount of spot inquiry, with a good French 38 to 40 per cent. oil valued at 16s. per lb., ex store. Lavandin is quoted from 7s. 6d. to 8s. per lb., landed.

LEMON.—We are advised that the question of a Consortium for this product has not yet been settled and that the subject is to be dealt with at a meeting in Rome towards the end of this month. The probability of a development of the matter this season is now looked upon as being remote. Meanwhile the shipment market is not attracting much business from this side, and during the past week quotations have been particularly irregular, ranging from 11s. 4d., the lowest, to 13s. 3d., the highest. The source continues to report the primary market as firm, but there is no evidence of confidence in the position here. Californian, regular quality, distilled, in small drums, 6s. 4d. per lb., landed.

LEMONGRASS.—Market is dull, with shipment nominally unchanged at 1s. 6d. per lb., c.i.f.; spot, 1s. 9d. to 1s. 10d. per lb., ex store.

LIME.—Small spot parcels of West Indian distilled are quoted steadily at 26s. to 27s. 6d. per lb., ex store.

MANDARIN.—Shipment quotations show a recovery, and good brands are now up to 19s. per lb., c.i.f.

NUTMEG.—American and Dutch oils continue fairly steady as quoted at 5s. 3d. to 5s. 6d. per lb., as to quantity.

OLIVE.—Conditions in this market are reported to be steadier, and rather more business is being transacted: edible quality, in drums, 6s. to 6s. 6d.; in tins in cases, 8s. to 8s. 6d. per lb., as to quantity, ex store.

ORANGE.—There are still but very few shipment offers from the source for new crop French Guinea oil, and the quotation remains nominal at 2s. 7½d. per lb., c.i.f., with reports that supplies at the coast are short: Californian, spot, one case, 4s. 6d.; two or more cases, 4s. 3d.; small drums, 4s. 2d.; large drums, not quoted, per lb., landed.

PALMAROSA.—The shipment price is now in the region of 7s. 6d., c.i.f.; spot sellers at about 8s. 3d. per lb., ex store.

PATCHOULI.—Some few spot sales reported, values fairly steady: Singapore, about 15s.; shipment, 14s. per lb., c.i.f. Seychelles, 12s.; shipment, about 11s. 10d. per lb., c.i.f.

PEPPERMINT.—Spot market steady, with moderate business reported; shipment tends rather firmer: spot, 4s. 6d. to 4s. 7½d., as to brand. Shippers quote February-March, 4s. 4½d., and March-April, 4s. 4d., c.i.f. Market offering January-March at 4s. 3d., with buyers at 4s. 1d., c.i.f. Some inquiry for October-December, with sellers at 4s. 3d. and buyers at 4s. 1d., c.i.f. American natural oil, in drums, is still in slow call in London: shipment, about 2 dollars to 2 dollars 20 cents per lb., c.i.f., as to brand.

PETITGRAIN.—A quiet business passing at steady rates: spot, cases, 4s. 2d. to 4s. 3d.; shipment, 3s. 10½d. per lb., c.i.f.

RAISIN SEED.—Spot supplies of this Californian oil are quoted in London, with prices ranging from 2s. 4½d. to 2s. 7½d. per lb., ex store, according to quantity.

ROSEMARY.—Rather more spot inquiry: genuine Spanish oil quoted from 3s. 3d. up to 4s. per lb., as to quality and quantity.

SANDALWOOD.—Genuine East Indian Mysore, in one-case lots on spot, 19s. per lb. East Indian is steady at 17s. 6d. per lb., c.i.f., for bulk quantities. English-made East Indian, 22s. 6d. to 25s. per lb., as to quantity. English-made West Indian, 7s. 3d. per lb. Australian, steady at 15s. 3d. per lb., for 7-lb. tins; one case at 14s. 9d. and five cases at 14s. 6d. per lb.

SASSAFRAS.—There are cheap oils available, but from 3s. 6d. up to 4s. per lb. is asked for the finest genuine American oil.

SPEARMINT.—A quiet business, quoted unchanged: U.S.P. oil, spot, 8s. 4½d.; shipment, 7s. 6d. per lb., c.i.f. Other quality oils at cheaper prices.

SPIKE.—It is reported that a very considerable business has been done recently, both spot and forward, in good quality Spanish oils. Supplies now available here of the genuine product are said not to be large, and the stocks at the source are said to be very small as a result of recent sales. It is anticipated that both spot and forward prices for a good quality straight oil will tend firmer. Spot quotations now range from 5s. 9d. to 6s. per lb., with blended oils at cheaper prices.

WORMSEED.—Market quoted unchanged, business quiet: U.S.P. oil, spot, about 11s. 3d.; shipment, 10s. 5d. per lb., c.i.f.

WORLD MINERAL INDUSTRIES—No. 6

Cobalt

THE following table of world production is given in a Statistical Summary of production and exports of the world's mineral industries, published by the Imperial Institute, London, S.W. (price 7s. 6d.):—

Producing Country	1934	1935	1936
BRITISH EMPIRE			
Northern Rhodesia ...	Cwt. 11,429	Cwt. 8,203	Cwt. 9,078
Canada (c) ...	5,310	6,084	7,925
India (b) ...	3,477	4,452	3,970
Australia ...	160	—	—
FOREIGN COUNTRIES			
French Morocco ...	3,260	8,759	8,600
Japan (ore)...	—	188	(a)

Note.—Cobalt is also obtained in Belgium from material shipped from the Belgian Congo, and complex ores containing cobalt are produced in Germany, Greece, Japan and China, but figures of cobalt content are not available. (a) Information not available. (b) Estimated cobalt content of nickel-speiss exported to Hamburg. (c) Metal recovered from smelter products plus cobalt contained in cobalt residues exported.

Trade-Mark Applications

(From "The Trade Marks Journal," January 5, 1938)

"RETICULOGEN"; for liver extract medicament with vitamin B for anaemia (3). By E. Lilly & Co., 740 South Alabama Street, Indianapolis, Indiana, U.S.A. 580,181.

"MEDISEALS"; for medicated capsules (3). By Parke, Davis & Co., McDougall Avenue, Detroit, Michigan, U.S.A. 580,904.

Label design for "RONGOA SALBE"; for ointments and liniments (3). By A. S. Wehner, 63A Hall Road, Peckham Rye, London, S.E.15. 581,330.

"DETTOLETS"; for all goods (3). By Reckitts & Sons, Ltd., Dansom Lane, Hull. 581,437.

"RAYJAC PRODUCTS"; for medicinal chemicals (3). By E. Gautier & J. Jacobson (Rayjac Products), 115 Shaftesbury Avenue, London, W.C.2. 581,565.

"SONERO"; for perfumery, etc., excluding soap (48). By J. H. Robson, 51 Percy Gardens, Tynemouth, Northumberland. 579,547.

(From "The Trade Marks Journal," January 12, 1938.)

"FLEURODOL"; for disinfectants (2). By The Hygienol Co., Ltd., 75 Low Road, Hunslet, Leeds. 581,139.

"PESCARONO"; for fish fertilisers (2). By British Feeding-Meals & Milk Products Co., Ltd., Carpenters Road, Stratford, London, E.15. 581,779.

"DESKITO"; for veterinary chemicals, etc. (2). By S. Allen & Sons, Ltd., 7 Cowper Street, London, E.C.2. 582,005.

"TREVILAC"; for veterinary chemicals, etc. (2). By H. Calvert, Wood Street, Botcherby, Carlisle. 581,991.

"BIS-KA-MA"; for medicinal chemicals (3). By Société Industrielle de Thérapeutique Scientifique Appliquée S.I.T.S.A., 15 Rue des Champs, Asnières (Seine), France. 579,365.

"ALLEVIN"; for medicated preparations (3). By Beiersdorf, Ltd., Bessemer Road, Welwyn Garden City, Herts. 580,707.

"RODILONE"; for medicinal chemicals (3). By May & Baker, Ltd., 42/43 St. Paul's Churchyard, London, E.C.4. 581,295.

"BIOCOMER"; for medicinal chemicals (3). By Aktiebolaget A. Lindahls Fabrik, 25 Nybrogatan, Stockholm, Sweden. 579,512. (Associated.)

"NATASIL"; for all goods, excluding soap (3). By Parke, Davis & Co., 50 Beak Street, London, W.1. 581,301.

"E.P. HERBAL REMEDIES" (exclusive use of letters E.P. disclaimed); for medicinal chemicals (3). By E.P. Herbal Remedies, 1 London Road, Tooting Junction, London, S.W.17. 581,318.

"SANAPETH"; for medicinal chemicals (3). By Nu-aks, 12 Herbrand Street, London, W.C.1. 579,716.

Correspondence

Correspondents may adopt an assumed name but must in all cases furnish their real name and address to the Editor

For Better or Worse

SIR,—It is anticipated that the extension of the National Health Insurance to juveniles, to the number of 900,000, may not lead to corresponding demands on the drug fund (*C. & D.*, January 29, p. 117). When this extension to juveniles was first mooted it was proposed to lower the doctors' capitation fees in respect of these newly insured persons, but the medical men resisted this proposal on the ground that young people at this age would require as much treatment as adults. There would therefore appear to be a direct conflict of opinion on this point, according to the angle from which one looks at it, and evidently it is one which can only be proved by practice, but it may be doubted whether the first year's working of any scheme will afford any real criterion of the normal conditions prevailing when it is fully developed. Should the benefits to juveniles prove to be a further drain on the drug fund, what then? Will panel chemists then exercise their option to terminate the contract, and to demand payment in full together with more appropriate terms for the future? If they do not, they will be faced with a worse problem when the turn of the dependants comes along.—Yours truly,

DIALECTIC (29/1).

A Woman of the Tribe of Sequah

SIR,—“Looker On's” reminiscence of “Sequah” (*C. & D.*, January 29, p. 143) reminds me of an experience of apprenticeship days in Glasgow fifty-eight years ago which might not be worth inflicting upon your readers if it were not that *THE CHEMIST AND DRUGGIST* comes into the story in a characteristically creditable and serviceable way. In 1879 there descended upon my native city an itinerant female quack, styling herself “Madame Josephine Enault,” who made her entry with all the time-worn “properties” of pageant and platform setting and spectacle common to the tribe of peripatetic mountebanks from olden time. Pretending to have studied at half a dozen foreign universities, and to have sheaves of diplomas, and an array of decorations, she professed to cure all diseases with her marvellous nostrums, and to extract teeth painlessly. Having learned something of this woman's antecedents, I attended one of her demonstrations, posting myself at the bottom of the platform stairs from which her patients came down. Like Sequah, she used the key, long since disused in reputable dental practice, and an Irishman whom I questioned as to his experience replied with a string of oaths that the . . . had “murdered” him and broken his jaw. As a matter of fact, a number of cases of fractured jaw for which she was responsible were treated in local hospitals. There was a roaring trade in “Madame Enault's” two panacea nostrums, “Indian Balm” and “China Caustic,” which were alleged to contain the active principles of 200 rare herbs collected in the remote fastnesses of Tibet and the most inaccessible regions of China. This monstrous fiction had already been exploded in *THE CHEMIST AND DRUGGIST*, which published the report of an analysis of the two nostrums by the well-known analyst, Mr. W. H. Allen, of Sheffield, according to which the “Indian Balm” was composed essentially of glycerin, spirits of wine, with traces of oils of cassia and peppermint, and the “China Caustic” consisted mainly of wax, oil, vaseline and some variety of turpentine. Both preparations were sold at 2s. 3d., but the estimated cost did not exceed 7½d. for each. Incorporating these and other data derived from the “Journal of Dental Science” in a long letter which was inserted in a leading local newspaper, I had good reason to believe that the exposure hastened “Madame Enault's” departure from Glasgow to seek pastures new. But with reference to the prospects of the banishment of medical quackery from this sinful world, I have long since become a wiser and a sadder man. The fraternity so aptly dubbed by Paris of the “Pharmacologia” as the “Perennials of history” have always battered on the inexhaustible material of human ignorance and credulity, and will continue to flourish in that medium until it is sterilised by the fuller knowledge which grows so slowly and the wisdom which lingers even more belatedly.—Yours faithfully,

J. P. GILMOUR.

Highgate, London, N.6.

Students' Analytical Difficulties

SIR,—More than sixty years ago I found myself several times, as a competitor in the analytical exercises of the “Corner for Students,” in difficulty similar to that reported from time to time by present-day competitors, and for the same reason—the small quantity of material supplied—and I was obliged to help myself as best I could. The discipline was excellent, and the enforced carefulness and the minuteness of observation that the conditions necessitated gave me experiences that served me well in later years. Ever since the beginning of my connexion with the “Corner” as its conductor, and as a heritage from the late Mr. Moss, the quantity of the mixture of salts sent to each applicant has been uniformly as near 15 grams as was conveniently practicable, and this amount proved sufficient to enable many competitors to submit reports of a distinctly meritorious description. The top competitors in the merit lists have seldom had scores below the nineties or eighties, and this I take to indicate that, on the whole, the limitation of the quantity supplied has played its own part in the presentation of problems of a satisfactory degree of difficulty. In my classified collection of replies to correspondents, and of *obiter dicta* printed in the general remarks—both dating from 1901 onwards—various items are included which deal with the matter of the quantity of substance supplied. In these my creed is clearly stated. While I can sympathise, I should like to encourage competitors, in dealing with their difficulties, to persevere.—Yours sincerely,

LEONARD DOBBIN.

Blackshields.

Check Your Purchases

SIR,—The majority of firms enclose with goods either an invoice or a delivery note. It is most important to check not merely the invoice but also the actual products received. Some chemists rely entirely on the warranty sent out by most manufacturers, but such warranties invariably state that the goods are to specification “at the time of leaving our premises.” Obviously it is still necessary for the consignee to satisfy himself that at the time of delivery the goods are, in fact, as stated. Failure to do so may prejudice his claim in the event of any legal action. Mistakes, to the credit of the manufacturer, are few, but they do sometimes occur. It takes little time to satisfy oneself that everything is correct, and the satisfaction to both chemist and customer well repays the effort. The writer consistently examines new stock of this class by taste, odour, colour and chemical tests (where possible). The following are examples:—*Ordered*, Elix. diamorph. et terpin., Ung. ichthammol. co., Pulv. amyli. *Supplied*, Elix. diamorph. et pini., Naphthalin used instead of beta-naphthol, Creta precip. But for careful examination these articles might have been sent out to customers.—Yours faithfully,

CHEKZIT (26/1).

An Imperial Preference Problem

SIR,—Your editorial note on the above subject, published in the *C. & D.*, January 29, p. 143, intimating that Customs were at present of opinion that goods consigned from a part of the Empire on an optional bill of lading and which had been transhipped at a non-Empire port cannot be regarded as having been consigned to this country from a part of the Empire is of general interest to the wholesale trade. To resist such rulings of a government department is no easy matter, however sound the case may be. The dread of being taken from one court to another, with the cost, time and worry involved, is usually a sufficiently strong deterrent to any trader to challenge such official decisions. However, in this instance, it is to be hoped that some organised resistance will be instituted to protect the trade from these persistent encroachments on their business activities. If, as Customs state, the goods “cannot be regarded as having been consigned from a part of the Empire” it would be instructive to those of many years' experience in shipping matters if they would state where they regard they were consigned from.—Yours faithfully,

REDART (2/2).

Miscellaneous Inquiries

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them

J. M. F. (14/1).—*SPT. ACID. FORMIC.*—The N.F. VI formula for this preparation is:—

Formic acid	40 c.c.
Distilled water	225 c.c.
Alcohol	to 1,000 c.c.

F. R. C. (12/58).—*BOOKS ON ANALYSIS.*—The following will probably be satisfactory for your purpose:—Bennett & Cocking's "Science and Practice of Pharmacy," Vol. II (Physical and chemical examination of pharmacopœial substances), 18s.; Clowes & Coleman's "Quantitative Chemical Analysis," 18s.; Greenish's "Microscopical Examination of Foods and Drugs," 18s. All are published by J. & A. Churchill, Ltd., London.

G. N. M. (61/11).—*CINEMA SPRAY.*—The following formula will probably be suitable for your requirements:—

Pine needle oil	2 oz.
Solution of formaldehyde	2 oz.
Acetone	6 oz.
Isopropyl alcohol	to 20 oz.

Mix one ounce with a pint of water. Alternative formulas are to be found in "Pharmaceutical Formulas," Volume II. An article on cinema sprays was published in the *C. & D. ANNUAL SPECIAL ISSUE*, 1936 (p. 778).

C. L. (7/8).—*LABELLING QUERY.*—It seems likely that your advertising agents are confusing the Merchandise Marks Act with the use of the word "brand" when a preparation is sold unstamped under the Medicines Stamp Acts. Once the product has passed through the Customs they take no further interest in the manner of its labelling. If the Board of Trade has not raised any question in regard to your present practice, we see no reason why you should make any change.

T. H. H. (31/1).—*HYDROMETRY.*—The specific gravities represented by the degrees of the Beaumé and Beck hydrometers are as follows:—

Degrees	Beaumé	Beck
0	1.000	1.0000
1	1.007	1.0059
2	1.014	1.0119
3	1.020	1.0180
5	1.034	1.0303
10	1.072	1.0625
20	1.147	1.1258
30	1.256	1.2143
50	1.515	1.4167

J. B. J. (38/2).—*DRAFTING AN AGREEMENT.*—You could draft an agreement yourself, but in our opinion you would be well advised to have it drawn up by a solicitor since, if not well drafted, the document might in the future provide some loophole at present unforeseen. On the other hand, if too drastically worded, the agreement might not be upheld in a court of law.

A. P. (19/33).—*INDIAN LINIMENT.*—The formula for this preparation is as follows:—

Rad. anchusæ	3ss.
Pulv. capsici	3j.
Spt. terebinth.	6j.

Macerate for a week in a warm place, strain and add:—

Ol. camph. essent.	6j.
Ol. sassafras	3ij.
Ol. origani	3ss.

G. W. C. (2/31).—*BOOKS ON DIET.*—The following may be suitable: Cromie's "Diet in Health and Sickness" (Black, 5s.); Kellogg's "The New Dietetics" (Modern Medical Publishing Co., Battle Creek, Michigan); Barborka's "Treatment by Diet" (Lippincott, third edition, 21s.).

F. P. D. (24/77).—*FREEZING MIXTURES.*—The following formula is given in "Pharmaceutical Formulas," Vol. II:—

Ammonium chloride	1 part
Potassium nitrate	1 part
Water	3 parts

Reduction of temperature about 40° F.

S. M. P. (23/10).—*NAIL VARNISH.*—The following formula has been found satisfactory:—

Cellulose nitrate	100.0
Ethyl acetate	200.0
Amyl acetate	200.0
Butyl alcohol	15.0
Butyl glycol	10.0
Dibutyl phthalate	15.0
Ester gum	10.0
Toluene	10.0

W. T. S. (6/11).—*ELECTRO-PLATING.*—Two formulas used in electro-plating are:—

Nickel Plating

A solution that has been used with good results on brass, copper and cold-rolled steel:—

I	
Nickel ammonium sulphate	8 oz.
Nickel sulphate	4 oz.
Boric acid	2 oz.
Sodium chloride	2 oz.
Water	1 gal.

The solution is operated at 80° F.; 2 to 2½ volts; 6 to 8 amperes per sq. ft.; pH, 5.8; depolarised nickel anodes, 99 per cent.

II	
Nickel ammonium sulphate	8 oz.
Nickel sulphate	8 oz.
Sodium chloride	3 oz.
Boric acid	3 oz.
Water	1 gal.

Silver Plating

Formulas for silver solution:—

I	
Silver cyanide	3½ oz.
Sodium cyanide	5 oz.
Ammonium chloride	½ oz.
Water	1 gal.
II	
Silver chloride	3½ oz.
Sodium cyanide	8 oz.
Ammonium chloride	½ oz.
Water	1 gal.

M. H. S. (30/02).—*UNSTAMPED PROPRIETARY.*—An unqualified person could not sell unstamped the preparation you mention unless he had served an indentured apprenticeship to a chemist.

Retrospect of Fifty Years Ago

Reprinted from

"The Chemist and Druggist," February 4, 1888

The Pharmacopœia as a Standard

The Sale of Food and Drugs Act nowhere declares the Pharmacopœia to be the official standard of purity. On the contrary, as shown by the defendant's advocate in the sal volatile case, a proposal that this should be adopted was deliberately rejected. The question is to be decided in each case on the merits. If it can be shown that in the ordinary course of retail business the article asked for is almost invariably understood to be the Pharmacopœia preparation, that evidence is conclusive; but if the reverse can be proved, as was done in regard to sal volatile, the opposite conclusion ought to be no less doubtful. "Sal volatile" is a synonym which crept into the last edition of the British Pharmacopœia; it did not exist in the previous editions, nor in that exact form in any of the pharmacopœias of the colleges. "Sal volatile," properly speaking, is carbonate of ammonia, and the aromatic spirit of ammonia has been recognised by textbooks and druggists' labels as "spirit of sal volatile." Latterly, however, custom has sanctioned the shorter expression, "sal volatile," as the synonym for the spirit. Still, it is important to recognise the fact that this is a misapplication of the term, and that the London Pharmacopœia in the first instance termed the spirit "Spiritus salis volatilis oleosus."

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MANUFACTURING CHEMISTS
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London, N.16.

Feb. 5th, 1938

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A. J. F. Somley.

Managing Director.

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For fuller particulars consult page 66

THE CHEMIST & DRUGGIST DIARY AND YEAR-BOOK, 1936

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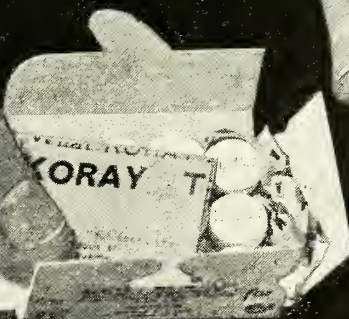
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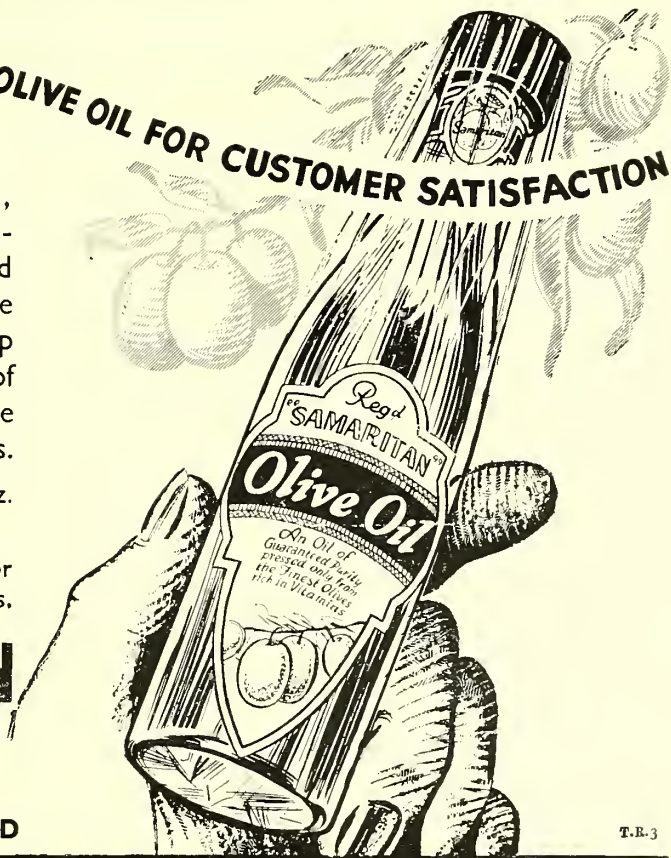
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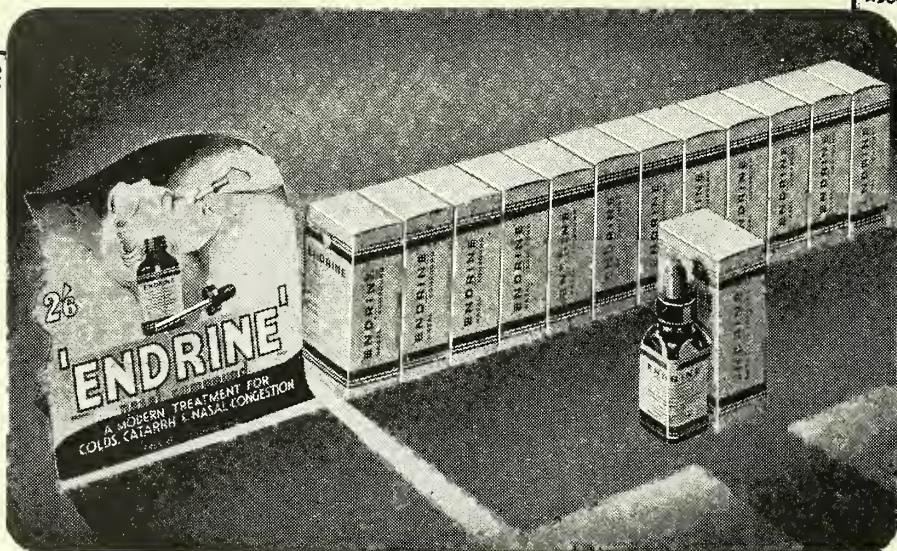
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Retail Prices

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Effervescent Alkalising and Analgesic Tablets

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OF

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This is a new—and different—tonic wine highly recommended by the medical profession. Scientifically prepared from matured wine, fresh eggs, &c. May be sold by all licensed Chemists.

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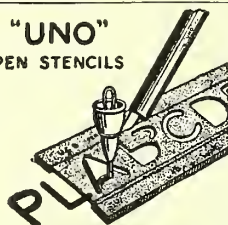
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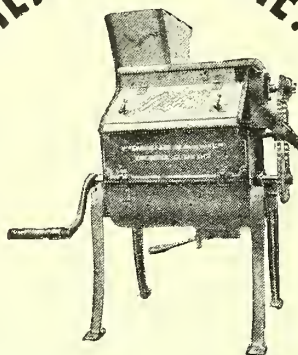
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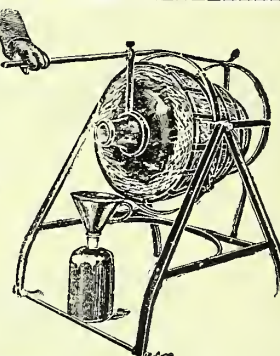
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POWDERS *Brand*

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LACTOPEPTINE *Brand*



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Write
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BEECHAMS PILLS LIMITED, ST. HELENS, LANCs.



The CHEMIST AND DRUGGIST

SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

FEBRUARY 5, 1938

28 ESSEX STREET, LONDON, W.C.2

ADVERTISEMENT TARIFF

ALL ADVERTISEMENTS are **PREPAID**, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

BUSINESSES WANTED and for **DISPOSAL, PREMISES TO LET** and **FOR SALE, PREMISES WANTED, PARTNERSHIPS, GOODS** for **SALE** and **AGENCIES**—6/- for 50 words; every additional 10 words or less, 6d. (Box No., 1/- extra.)

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We make no charge to purchasers, and invite intending buyers to communicate with us, stating their requirements

1.—**JERSEY**.—Owing to the decease of Mr. G. T. Miller, his Chemist Business is for sale; the purchase price asked is £900 or near offer; stock and fixtures estimated to be worth £600-£650; sub-Post Office; pharmacy takings about £1,000 per annum; nice living accommodation; rent £70 per annum.

2.—**LIVERPOOL**.—Family Retail Business; takings last year £1,549; net profit over £300; stock worth about £450; rent £70 per annum; price required £480 plus s.a.v.

3.—**LONDON**.—Wholesale proprietary Business for sale dealing with Toilet articles; net profit about £3,000 per annum; purchase price £8,000 or so; also another similar type of business; price £10,000-£12,000; particulars only upon receipt of banker's reference.

4.—**FOLKESTONE**.—Under Deed of Assignment—General Retail Business; takings last year £1,417; net profit £235; stock worth £275; excellent living accommodation; inclusive purchase price £450, or near offer.

5.—**BOURNEMOUTH**.—Light Retail and Dispensing Business; established 14 years; takings last year £1,264; net profit £317; stock and fixtures worth £700-£800; nice living accommodation over; rent £110 per annum; inclusive purchase price required £850 or near offer.

6.—**EASTERN COUNTIES**.—Cash Retail Business for sale; takings about £8,000 per annum; stock worth about £2,000; rent £700 per annum rising to £800 per annum; first reasonable offer secures; valuation terms entertained.

7.—**BARKINGSIDE, ESSEX**.—Middle-class Retail Business; takings under management last year £1,251; modern attractive shop front; stock and fixtures estimated to be worth about £650; reasonable rental; valuable sub-let; inclusive price £400; exceptional opportunity.

8.—**LAMBETH**.—Cash Drug Store; net profit 50s. per week; living accommodation; inclusive purchase price £150.

9.—**HARROW**.—Owing to the death of Mr. W. Breingan, his widow is desirous of selling the Business situate at 2, Peterborough Road; turnover is over £2,000 per annum; there is a good, clean, saleable stock and mahogany fixtures; 14 years' lease at £200 per annum; first reasonable offer secures.

10.—**PECKHAM (NEAR)**.—Retirement Vacancy—Old-established Business, in present hands 50 years; net profit nearly £5 per week; scope; ample stock and adequate fixtures; Vendor owns premises and is prepared to put them into a good state of repair and grant a lease upon them at £65 per annum; inclusive purchase price required for the business £425.

11.—**CITY BUSINESS (NEAR FLEET STREET)**.—Toilet Trade; turnover last year £2,125; net profit £320; stock worth £350; lock-up shop; inclusive purchase price £750; Vendor purchased another business.

12.—**SOUTHAMPTON (RETIREMENT VACANCY)**.—Family Retail Business, established about 65 years ago; returns last year £713, scope; Vendor owns leasehold premises; ground rent £4 ros. per annum; he is prepared to sell these for £480; living accommodation; price asked for the business £500-£550.

13.—**HAMMERSMITH**.—Good-class Retail Business; takings last year over £1,200 under management; stock and fixtures worth about £600; spacious living accommodation over (10 rooms); garage sub-let at £30 per annum; price required for the business £850 all-at, or £200 plus stock and fixtures at valuation.

14.—**LONDON, S.W.1**.—Middle-class Main-road Cash Retail Business; returns last year over £1,700; gross profit approximately £700; stock and fixtures estimated to be worth £600; private entrance; rent £100 per annum; first reasonable offer secures; Trusteeship.

15.—**FULHAM**.—General Retail Business with Photographic connexion; old-established; net profit last year £509; Vendor estimates stock and fixtures at £350; rent £91 per annum; inclusive purchase price asked £850.

16.—**WEALDSTONE (NEAR)**.—Middle-class Business with valuable Agency; established only a few months; present returns £20 per week, increasing; nearest opposition one mile away; stock and fixtures worth £600; inclusive purchase price required £600.

17.—**OLYMPIA (NEAR)**.—Part payment terms entertained—ill-health necessitates immediate sale of General Middle-class Business; takings last year £1,607; fixtures worth £270; stock £380; inclusive rent £182 per annum; purchase price required £650.

18.—**EASTERN COUNTY (COAST)**.—Good-class main-road Dispensing Business; takings last year £1,311; gross profit 35 per cent.; stock worth £476; fixtures £175; very nice living accommodation; large garden; inclusive purchase price £850.

19.—**DERBY (WITHIN EASY DISTANCE OF)**.—Old-established Business with full Wine Licence; takings last year £2,979; gross profit £1,133; heavy dispensing connexion; rates £37 per annum; living accommodation sub-let at £32 ros. per annum; stock £650; fixtures and fittings £250; premises can be leased at £100 per annum, or purchased for £1,550; inclusive price required for the business is £1,650, or near offer.

20.—**SOUTH COAST (IMPORTANT TOWN)**.—High-class Dispensing Business in main road; takings approach £3,000 per annum under management; no goodwill asked; stock and fixtures worth £1,335; lock-up shop; rent £300 per annum; Neon lighting.

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Telephone Nos. : Holborn 7406 & 7407 (2 lines) **W.C.1**
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Lancashire and District Representative : Mr. E. BROWN, 21 Davenport Road, Hazel Grove, Stockport. Telephone : Great Moor 2405

(C1) CENTRAL LONDON.—Good-class business occupying prominent position in busy main thoroughfare; rapidly increasing turnover, which, for the current year, should approximate £7,000, with a net profit of about £850; excellent scope for further development; genuine reason for selling; price £3,500, all-at; open to offer; **part might remain if necessary**; sole agents.

(C2) HARLES DEN.—Opportunity to purchase main road business showing a present net profit of approximately £700 per annum, **on payment of a cash sum in the region of £700/£800, and the balance by easy instalments**, which would be provided out of the earnings of the business; owner leaving Pharmacy for lucrative appointment; the business is of the "store" type, and the premises contain extensive living accommodation, which can, if desired, be very profitably sublet; this is an opportunity, the equivalent of which does not frequently occur, and immediate application is advised; sole agents.

(C3) BIRMINGHAM (RETIREMENT VACANCY).—In present hands over 30 years; turnover for 1937, £1,664; gross profit about 33½ per cent.; rent £100, including flat; stock £400; fixtures £250; price £800 all-at; good scope for increase, as the present owner has been unable to devote full attention to the business on account of lengthy illnesses; sole agents.

(C4) HARROW (DEATH VACANCY).—For immediate sale, old established, high-class business with living accommodation; turnover for 1936/37, £2,264; gross profit about 35 per cent.; Elizabeth Arden agency; stock and fixtures estimated at £1,140; price £1,250 or near offer.

(C5) WOOD GREEN (NEAR) (RETIREMENT VACANCY).—Main road business with living accommodation, in present hands over 40 years; large N.H.I.; turnover approximately £1,500 per annum; gross profit £570; rent £100; lease 16 years; goodwill asked £300; fixtures £200; stock at valuation; excellent scope.

(C6) WANDSWORTH ROAD, S.W.—Opportunity to acquire old-established business with living accommodation, for a total outlay of £350, **part of which could, if necessary, remain for payment over an agreed period**; turnover for last financial year £1,380; rent £75; which is at present almost entirely covered by the sublet from the house; 18 year lease; good scope; immediate application advised.

(C7) SOUTHGATE (NEAR).—Lock-up Pharmacy occupying main road position; turnover for 1936-37, £1,214; gross profit £412; net £315; rent £65 inclusive; lease 19 years unexpired; price £550 all-at; this is an easily worked business, which should be well suited to an elderly chemist, or to a beginner with limited capital; sole agents.

(C8) WORCESTERSHIRE TOWN (RETIREMENT VACANCY).—Exceptionally good profit-earning business, occupying prominent position at junction of two main roads; turnover for 1937, £1,482; gross profit £617; net £515; living accommodation; rent £80 inclusive; 21 year lease will be granted; no near opposition; price £1,000 all-at; good scope, as owing to illness on the part of the present owner, adequate attention has not been possible; sole agents.

(C9) ELSTREE.—Up-to-date Pharmacy for immediate disposal; turnover for last financial year exceeded £2,700; flat available, or shop can be leased as a lock-up at a rental of £100 per annum exclusive; capital requirements £1,100/£1,300; very reasonable goodwill accepted; excellent opportunity as the business should possess very good future prospects; sole agents.

(C10) KINGSTON-ON-THAMES.—For immediate disposal, prominently situated double-fronted Pharmacy, with good flat above; turnover about £2,500 per annum; excellent scope; no near opposition; first reasonable offer accepted.

(C11) LIVERPOOL.—Branch business, established over 60 years; turnover approximately £1,500 per annum; rent £65; good scope; price £550/£600, according to value of stock, **part of which could remain**.

(C12) BEXLEY HEATH (NEAR).—Branch business, excellently fitted, and of attractive appearance; turnover for 1937, £1,499; gross profit £515; up-to-date flat; stock and fixtures estimated at £800; price £850/£950, **part of which could remain**.

(C13) NORTH CHESHIRE (PROMINENT TOWN).—Old-established business for sale owing to retirement; in present hands for past 30 years; turnover approximately £2,400 per annum; gross profit about £960; good living accommodation; property can be purchased for £1,600, or 21 year lease will be granted at a rental of £104 per annum; stock and fixtures estimated at £1,200/£1,250; very reasonable goodwill accepted; exceptional opportunity to acquire a sound and excellent profit-earning concern, at an economical figure.

(C14) CHELSEA.—Branch business (lock-up), with increasing turnover, now at the rate of approximately £1,500 per annum; main road position; no Sunday duty; rent £90; stock and fixtures estimated at £750; price £1,000 or near offer; sole agents.

(C15) SURREY.—£300 all-at, or near offer; unopposed, up-to-date Pharmacy, with small modern flat above; rapidly growing district; turnover for last financial year, £865; rent £80; stock about £200; excellent opportunity for chemist with small capital, desirous of purchasing a business that should be capable of considerable development.

Valuations for transfer, probate, income tax, etc., promptly executed at economical rates.

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2.—BERKS.—Medium-class Business, in small town; returns over £2,000 under indifferent management, scope for increase; heavily stocked; own property; price £1,450 or offer.

3.—SUSSEX COAST.—Well-established Cash Retail, with good Prescribing and own Packs; returns £1,468; net profit £400; audited books; rent £85; good house; price about £1,000.

4.—DEVON.—Unopposed mixed country Retail, with grocery and newspapers; returns about £35 weekly; net profit 20 per cent.; good house, garden and garage; well stocked; price £550 or valuation terms arranged.

5.—BEDS.—Unopposed Drug Store, returning over £900, net profit £274; good chance for Qualified Chemist; price about £400.

6.—HARROW (near).—Good-class Suburban Business, with Optical connexion; returns £50 weekly; net profit £600; attractive shop with flat over; owner leaving trade; price £1,600.

7.—NORTH LONDON.—Light Cash Retail with good Panel; owner retiring; returns £1,500; scope for increase; audited books; stock worth over £500; price £1,000, part can remain.

8.—LONDON, N.E.—Light Cash Retail, corner position, main road; returns over £2,000; gross profits 38 per cent.; modern fitted shop; good stock; price about £1,000.

9.—CAMDEN TOWN.—Old-established Drug Store; owner retiring; returns over £700; splendid chance for Chemist; low rent; house attached; price £425.

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We have a large number of genuine Cash Buyers seeking sound concerns showing from £300 to £800 net profit yearly, and intending vendors desirous of a quick sale, without any publicity, should communicate with us at once.

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Stocktaking dates now being booked.

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BLACKBURN.—For Sale, a good Business, established over 50 years, on main road; good living accommodation; rent £65 a year, no ground rent; Kodak Agency; good N.H.I.; business increasing; owner retiring; references required. T. W. Livesey, 36 Grimshaw Park, Blackburn, Lancs.

BOURNEMOUTH.—Main road position (see article page 391, B "Hairdressers' Journal," January 29); exceptional opportunity for Qualified Chemist. At present Tobaccoist and Hairdressers; suggest substituting Chemists for tobacco; no opposition; profits from Hairdressing more than cover rent of premises, which have two flats above. To those with small capital interested and wanting proof, write or call (Sunday no objection). Owner, 12 Carbery Row, Southbourne Road, Bournemouth. Alight Irving Road bus stop. Telephone: Southbourne 1231.

Huddersfield (near).—Old-established Business for Sale; good position, main road; N.H.I. £20 monthly; wine licence, etc.; low overheads; turnover £900; net profit £260; price £500 or £150 for fittings, etc., s.a.v. 72/1, Office of this Paper.

LONDON.—Good-class Family Retail and Dispensing Business, in same hands many years; returns average about £4,500; gross profit over £1,600; commodious premises; low rent; price £3,000; only those enclosing bankers' reference will be entertained. "Major," 320/643, Office of this Paper.

LONDON, S.E.—Drug Store for Sale in busy main road; working-class district; well stocked; great scope for N.H.I.; returns £15 a week; living accommodation; rent £70 per annum, rates £28; long lease; all at £500 or near offer. 80/12, Office of this Paper.

MIDDLESEX.—Old-established Pharmacy in good position; good living accommodation, growing district; could be much increased with moderate capital, or as branch; £275 all at, or offer. 80/50, Office of this Paper.

NORTH Country Manufacturing Town, old-established main road business; good Optical connexion; full Wine licence; well stocked, nicely fitted; turnover approximately £1,000, been £1,500; rather neglected and capable of increase; owner other interests and now leaving Pharmacy entirely; valuation terms or offer; splendid opportunity, and must sell. Write, 320/638, Office of this Paper.

PORTSMOUTH.—Busy main road, steadily increasing turnover, at present £1,000 per annum; Kodak agency; 5-roomed house attached; premises can be leased or purchased; price required about £500; offers considered. 79/2, Office of this Paper.

SOUTH OF ENGLAND.—Well-established Drug Store for Sale; good lease, low rates and rent; safe and easy to run business; Photographic and usual Agencies; well stocked; sound reasons for disposal. Apply, in confidence, to 320/650, Office of this Paper.

SUSSEX COAST.—Cash Business for Sale; genuine going concern; lock-up shop, Dispensary and Storeroom; Ucal and Kodak Agencies; on main bus route; well established; excellent reasons for selling; comfortable living assured; the property will be let or sold (living accommodation not available at present). 80/15, Office of this Paper.

An opportunity for Qualified man to buy business in a fast-growing neighbourhood; small capital only required. 80/9, Office of this Paper.

BARGAIN.—West-End Business which has shown steady increase but is now suffering from lack of capital offers first-class opportunity to keen pharmacist; £1,100 accepted for quick sale; house sublet, leaving net rental £90; long lease; well situated, well fitted; the peak turnover of £2,700 easily doubled by the right man. 80/24, Office of this Paper.

DRUG Stores, lock-up, 13 miles London; £200; stock at valuation about £300; lease 14 years; rent £60. Write, 320/629, Office of this Paper.

FOR IMMEDIATE SALE.—Old-established Blackpool Chemists and Photographic Business, due to recent decease of Proprietor. The Shop is known as GAMESON'S CORNER, and holds an unique corner position, opposite Talbot Road Station, Blackpool and across from the New Corporation Garage and Bus Station. At the terminus of Fleetwood and all North-bound tram cars. The business has been well looked after by the late Proprietor, with resulting good personal trade. Blackpool's busiest Photographic Shop. The oldest Kodak Agency in town. Winter kept busy by numerous Speciality Lines, from which have accrued excellent Postal business. Turnover of late years between three and four thousand pounds, which should materially increase in near future, owing to erection of a new Odeon Cinema opposite, and the new Corporation Town Garage, Bus Station and new Market Hall on near site. Lease, 11 years. Price of Goodwill, £650, s.a.v. ALSO FOR SALE separate or in conjunction with above: PHOTO WORKS; three years' lease; easy rent; large airy Workrooms; fitted with latest glazing, printing and enlarging machines. EVERY FACILITY for Super D. & P. premises; inclusive figure, £350. Enquiries, etc., Harry Ianson, Solicitor, 10 Birley Street, Blackpool. Tel.: Blackpool 4054.

£150 OR OFFER.—Rare opportunity occurs for energetic person to take over old-established Herbal and Hygienic Rubber Stores; guaranteed by trial more than a living; large double-fronted Shop and House of seven rooms, kitchen, yard; nicely decorated; main road, South London; rent only 25s. weekly inclusive; lease or agreement granted. 24 Trafalgar Road, Greenwich, S.E.10.

£95 S.A.V. £50, or offer; Drug Store, well fitted; large modern corner shop, prominent position; rent reduced by sublets to £1 per week; under inexperienced lady management, turnover 1st week of opening, £11; sale owing to ill health; amazing scope for owner-manager; Hackney area. 79/7, Office of this Paper.

BUSINESSES WANTED

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

ADVERTISER is desirous of securing a good-class business returning £5,000 a year upwards; Surrey or adjoining counties preferred. Ample capital available, and can take over at once. References exchanged. Reply in confidence to "Script," 320/644, Office of this Paper.

M.P.S., F.S.M.C. (35, married), first-rate Chemist, expert Staff Control, Refractionist, fully experienced, Window Display, Buying, etc., seeks business showing at least £500 net profit; preferably one where owner contemplates retirement, and partnership with view to early possession; bankers' references; London, Midlands, South Coast, South Wales. 80/41, Office of this Paper.

PHARMACIST requires Pharmacy or Drug Store with good side lines; news, stationery, etc.; South or Home Counties preferred; cash. Reply first instance 73/15, Office of this Paper.

WANTED to purchase, Chemists' Business in Leeds or near; good turnover essential; audited accounts, must bear strict investigation; middle-class neighbourhood preferred; state rent and gross profits. 79/1, Office of this Paper.

PREMISES FOR SALE

AT BEDFORD.—Main road position between two large housing estates and large clean works; superior shop and house to be erected immediately; 5 living rooms; half-tiled scullery and bath, garage, hot-water and all modern conveniences. Price £2,150 or on good mortgage terms. Full details with copy plan, etc., from Harrison & Co., 74 Alma Street, Luton.

PREMISES TO LET

BURNT ASH LANE, BROMLEY, KENT.—Attractive, protected parade of modern shops to let in a thickly populated ready money district. INCLUSIVE RENTALS from £120 per annum—3 years' Agreement. Shop fronts already fitted, wood block floors laid. Excellent opportunity as shops already let are doing good business. Inspect now. Call at Letting Office, 111 Burnt Ash Lane.

EARLS COURT, S.W.

MODERN SHOP premises at low rental in busy position situated close to Earls Court Exhibition and large block of luxury Flats. Apply Herring, Son & Daw, 100c Queen Victoria Street, E.C.4. Tel. City 7068.

SWANSEA.—To let, good Shop and Basement (many years Sports Outfitters); centre of town; suit Chemist. John M. Leeder & Son, Chartered Surveyors, Swansea.

SWISS COTTAGE, N.W.

AN Excellent PARADE of SHOPS in commanding position serving densely populated district. Several already let to MULTIPLE FIRMS. Apply Herring, Son & Daw, 100c Queen Victoria Street, E.C.4. Tel. City 7068 or 'phone Letting Office on premises, Primrose 4320.

GOOD OPENING FOR CHEMIST.—Extensive Shop and Premises to Let at Stratford; low rent; alterations to suit tenant; A. Bacon & Son, 25 Liverpool Street, E.C.2.

APARTMENTS

THE HAMPDEN RESIDENTIAL CLUB

FOR GENTLEMEN, Hampden Street, N.W.1. Close to King's Cross and Euston. 300 Bedrooms, 15s. to 22s. 6d. per week, including bath, attendance and boot cleaning. All meals à la carte in dining room. Moderate tariff. Large Club Rooms, Library, Billiards Room, Reading Room and Study for Students. Illustrated Prospectus from Secretary. Euston 2244/5.

PARTNERSHIPS

AMBITIOUS Young Man offered position as Assistant Sales Manager and London Representative by progressive established private company marketing own branded products, and Sales Agents for well-known firms; salary £200 and commission; investment required, £300 in preference shares; exceptional prospects for right man. Write fully, 80/34, Office of this Paper.

TENDERS

CITY AND COUNTY OF BRISTOL

THE City Council invite tenders for the supply of Drugs, Chemicals, Surgicals, and Dressings, to be delivered, carriage free, in such quantities as shall be ordered at the City Hospitals, Institutions, Sanatoria, Clinics, etc., during the twelve months commencing April 1, 1938.

Particulars as to the approximate quantities required, Conditions of Contracts, etc., are as far as possible given in the Forms of Tender, which may be obtained on application to the Medical Officer of Health, 40 Prince Street, Bristol, 1, and all Tenders, and samples where required, must be delivered to such offices in a plain, sealed envelope not later than 10 a.m. on Monday, February 14, 1938, superscribed to show the articles tendered for, but without any name or mark indicating the sender.

Tenderers must state whether they are on the King's Roll.

The Council do not bind themselves to accept the lowest or any tender.

By Order,

JOSIAH GREEN, Town Clerk.

January, 1938.

AGENCIES

TO OWNERS OF PROPRIETARIES

AN up-to-date, progressive house of Manufacturing Chemists, with a large, fully-equipped factory in London, invites enquiries from principals for the MANUFACTURE, PACKING AND DISTRIBUTION of Proprietary Pharmaceutical Preparations. Manufacturing Dept., 64 Hatton Garden, London, E.C.1.

IRISH FREE STATE (EIRE).—Advertiser, 17 years as executive in Advertising and Sales Management Pharmaceutical Houses (British), now residing Dublin, would undertake Manufacture, Sale and Distribution for good English Proprietary House, or General Management of Irish branch; highest credentials available. 320/632, Office of this Paper.

A FIRM of Manufacturing Veterinary Chemists are open to represent firms manufacturing or wholesaling Drugs and Chemicals; territory covered Northern Ireland (three travellers); terms: a small sum towards expenses and commission. Apply, 320/627, Office of this Paper.

AGENTS Required, already calling on Chemists, Hairdressers and Stores, to handle well-advertised line. Apply in writing, giving full details of experience, territory, number of open accounts, etc., EBE Products, Ltd., 11 Diana Place, Euston Road, N.W.1.

AGENTS required with established connexions, calling on Chemists, Hairdressers, Stores, to sell Tooth and Hair Brushes; liberal commission to live Salesmen. Write full details, age, experience, district, if own car, etc.; references. 79/10, Office of this Paper.

AN established firm of Manufacturing Chemists, with sales organisation covering England and Wales, is open to consider sole wholesale Agency for the marketing of any proprietary article or speciality. Please reply with full details and terms, 320/628, Office of this Paper.

Manufacturers of established MEDICAL, DENTAL AND PHARMACEUTICAL PREPARATIONS

interested in

- (1) Increasing profits by Amalgamation or working arrangement with manufacturers of above lines.
- (2) Disposing of their business to manufacturers able to derive maximum return from their business, and therefore able to pay fair value,

are invited to communicate with advertisers, who have ample funds, laboratories, warehouse space and distributing organisation. Write Box A.232, Willings, 133 Moorgate, E.C.2.

REPRESENTATIVE, first-class connexion Departmental Stores London, South and Midlands, seeks additional Agency; par expenses, commission basis; own car; excellent references; on other agency carried (Bath Salts, Toilet Waters). Principals seeking genuine representation write confidentially 320/646, Office of this Paper.

SITUATIONS OPEN

RETAIL (HOME)

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

BRISTOL.—Qualified Assistant to act as Manager. Apply, with particulars of experience, age, etc., when free and salary required, 320/639, Office of this Paper.

LONDON, N.—Smart Qualified Manager, young, capable and experienced in handling staff, for busy main-road shop; comfortable progressive situation for right man. Please give full particulars experience, commencing salary expected and when free interview preferred. 80/37, Office of this Paper.

LONDON, N.4.—Qualified evening Assistant required for Thurs day and Friday evenings from 6 till 8, Saturday evenings from 6 till 9, chiefly for Dispensing and assisting at Counter. Pirie, Chemist, 4 Grand Parade, Harringay.

LONDON, W. (Suburb).—Assistant for medium-class business; Dispensing and Counter; one just qualified (lady or gent.); please give full particulars (enclosing photo if possible) in first letter, stating age, experience, salary required and when free 81/6, Office of this Paper.

MIDLANDS.—Qualified Manager required for Family Dispensing Business; Display and Organising ability essential; permanency to right man. Apply 320/647, Office of this Paper.

SOUTH KENSINGTON.—Lady Assistant required at once for high-class business; good Dispensing experience essential (age about 20-30); preferably London experience and residence; Counter and Toilet experience desirable; salary immaterial to lady with above qualifications. Apply Turner, 100 Fulham Road, S.W.3.

A.A.A.—YOUNG Assistant, with fair experience (male or female); Dispensing and General Routine. Apply, Phone Edgware 4545, or write L. Garfield, 5 North Parade, Mollison Way, Edgware.

A CAPABLE Lady Assistant is required in Sparkhill, Birmingham. The berth offers an opportunity of a good permanency, but needs some experience in Dispensing and Window-dressing. Please apply with full particulars to H. H. Thatcher, 132 Caldmore Road, Walsall.

ASSISTANT (age 25-30), Surgical Stores, Birmingham district; Salesman, experienced Fitting Belts and Trusses. State experience, salary required. 72/14, Office of this Paper.

ASSISTANT, English or Scot, Unqualified, of unimpeachable character; must be expert Window-dresser, possessed of courteous manner, and careful Dispenser; permanency to right man; those having these necessary attributes apply, stating usual particulars and salary required, to Blanch, Chemist, Coleford, Glos.

ASSISTANT (male, not over 25) required for Family and Dispensing business. Apply, giving full particulars, to C. Dickinson, 119 South End, Croydon.

ASSISTANT (male or female).—Qualification not essential; permanency; high-class Pharmacy, light Dispensing and Counter; knowledge Photographic Goods; congenial post; full particulars, testimonials, salary required, snapshot, and date free in first letter. Raymond Smith, Newquay, Cornwall.

ASSISTANT, single, male (age about 30), for high-class Pharmacy; good Dispenser and Window-dresser; give full particulars and salary required first letter. Balkwill & Co., Chemists, 66 Old Town Street, Plymouth.

ASSISTANT, Unqualified, wanted; capable Dispenser, Salesman, Window-dresser, Stock-keeper. Apply, giving full particulars as to age, height, experience, references, salary required, with photo (returnable), to Witherick, Chemist, 16 Harrow Lane, Abbey Wood, London, S.E.2.

ASSISTANT wanted immediately; young male, Unqualified; must be capable Salesman and Dispenser; for good-class business, Bromley, Kent. Full particulars in first letter, 80/42, Office of this Paper.

CHEMIST Required to manage good-class Retail and Perfumery Business (Channel Islands); give full particulars of experience, references, age, salary, etc., in first letter. 78/3, Office of this Paper.

ELDERLY M.P.S. required as Superintendent; short hours; no Dispensing; moderate salary; S.W. London. Apply 320/649, Office of this Paper.

EXPERIENCED Assistant, Qualified or Unqualified, for good-class Dispensing and Family Business. Please state age, experience, salary required, and when disengaged in first letter. Applications not answered in seven days respectfully declined. Jeffrey & Son, Chemists, Cheltenham.

EXPERIENCED Assistant, Qualified or Unqualified, wanted for Croydon district; must be quick and intelligent for busy shop Counter and Dispensary; no Sunday duty. Apply, stating age, experience, references, salary required, and usual particulars in first letter, 320/648, Office of this Paper.

LADY Assistant wanted in March for Counter; good knowledge of the leading high-class Toilet agencies; take charge of Toilet Department; good Window-dresser; permanency. Bastow, Chemist, North Street, Chichester.

QUALIFIED Assistant required for Branch Shop, N.W.1 district; energetic worker essential; state full particulars in first letter. 81/4, Office of this Paper.

QUALIFIED Junior required immediately for good-class Dispensing business. Please state age and salary required, Arrow-smith & Hall, Ltd., Broadstairs, Kent.

QUALIFIED JUNIOR.—Vacancy occurs end February; good Dispenser, courteous Counterman; well recommended; one who takes an interest in his job. Full particulars experience, salary required, age, height, together with snap (returnable); (mark letters "Personal"). Clark, Chemist, Dorchester, Dorset.

QUALIFIED Lady required; chiefly for Dispensing; permanency. Wallace Pring, Chemist, 7 High Street, Bromley, Kent.

QUALIFIED MAN required to manage Branch shop. Applications stating age, qualifications, names for two references to be sent to Doncaster Co-operative Society, Ltd., 1 John Street, Doncaster, by February 16, 1938. Envelopes to be endorsed "Chemist." Canvassing members of the Management Committee will be a disqualification.

QUALIFIED Manager wanted shortly who can build up neglected working-class business in Acton; good salary and commission. State fullest particulars as to experience, when free, if married, photo, etc., Philip Hudson, Chemist, Wisbech.

TAYLORS the Chemists have vacancies on supernumerary staff for Qualified Chemists in all districts. Apply the Retail Staff Manager, Timothy Whites & Taylors, Ltd., 70 Vauxhall Bridge Road, S.W.1.

UNQUALIFIED Assistant or Improver, part-time; approximately 26 hours weekly, including short Sunday duty (one day off weekly in lieu); opportunity for applicant, who must have served apprenticeship, to learn Hospital pharmacy. State age, experience and salary required, to Secretary, West Kent General Hospital, Maidstone.

UNQUALIFIED Assistant, used to General Counter work, wanted as Junior in London; lady or gentleman; one seeking a permanency preferred. Give full particulars as to experience, references, age, height, and salary required, to Ph.C., 80/2, Office of this Paper.

WANTED, Chemist and Optician, Leeds; age and salary required, 320/631, Office of this Paper.

YOUNG Lady Dispensing Assistant wanted for good-class Retail and Dispensing business. Full particulars to Bone, Chislehurst.

YOUNG Lady, Qualified, for Central London; experienced Saleswoman necessary. Apply "Z," 320/630, Office of this Paper.

YOUNG Qualified Chemist required as Manager of Branch Pharmacy. Apply, stating age, experience and salary required, to the Secretary, Pontefract Industrial Co-operative Society, Ltd., Woolmarket, Pontefract, immediately.

WHOLESALE

MIDLANDS.—A well-known firm of Manufacturing Chemists require a Packing Room Clerk and Checker, one with some experience preferred. Apply 80/45, Office of this Paper.

A YOUNG Man (about 22) is shortly required as Assistant in London, S.E.1, Laboratory producing Medicated Fabrics and Cosmetics; manipulative skill and attention to routine work of more importance than technical qualifications. Apply, by letter only, to Director, 99 Claverdale Road, S.W.2.

ADVERTISERS require a live and well-connected Traveller for the West of England for advertised line; must be capable of producing immediate business; write full details in confidence; salary, commission and expenses to right man, with good prospects. 320/637, Office of this Paper.

COMMISSION basis—£5 to £6 has been earned regularly for years by present Representatives calling on Chemists and Doctors; suitable as sideline only. State ground covered and lines now being sold. 80/25, Office of this Paper.

EXPERIENCED Practical Chemist required to supervise Manufacturing Department of important Perfumery House; preference given to applicant with long experience and full knowledge of colour blending and all manufacturing processes in connexion with Face Powders, Compacts, Rouges, etc. All applications to be addressed to 320/636, Office of this Paper.

LABORATORY NATIVELLE, LTD., North Circular Road, London, N.W.2, require Representatives for Medical Propaganda in Northern England and Scotland. The following requirements are essential:—(1) Must possess a thorough knowledge of the elements of physiology and therapeutics. (2) Must be of good general education and personality. (3) Must be conscientious and enthusiastic. Apply to the above address by letter only, giving full particulars and salary required.

MANAGER required to take complete charge of the development and the financial side of a Wholesale Dental Speciality business; to the right man option will be given to invest capital in this business. State qualifications and capital available to 77/2, Office of this Paper.

MANUFACTURING Chemists require Representative for Scotland, also some areas England. Send details and approximate salary to 320/641, Office of this Paper.

QUALIFIED Chemist wanted by important firm of Manufacturing Chemists and Druggists in Manchester district. Applicants must be able to co-ordinate departmental productions, check, supervise despatch and distribution of packed and bulk pharmaceutical products. Write, giving details and particulars of previous experience, age and salary required, to 318/583 Office of this Paper.

REPRESENTATIVE required for the Eastern and part of the Midland Counties by Manufacturers of finest Soaps and Toilet Preparations; only applicants who have had genuine selling experience in these lines need apply; salary and commission. Give age and send full details of previous employment to 320/634, Office of this Paper.

REPRESENTATIVE wanted for established journey, comprising parts of Midlands and South Coast; must be experienced. Apply by letter, stating experience and salary required, C. R. Harker, Stagg & Morgan, Ltd., Emmott Street, E.1.

REQUIRED.—Enterprising Salesman (age 22-26) for Birmingham and district, to call on Chemists, with well-advertised Foot Comfort Remedies; must be able to drive car; excellent prospects. Write Box 785, Smiths, 100 Fleet Street, London, E.C.4.

TOILET Holdalls, Powder Puffs, etc., Manufacturers require Agent on commission basis to call on West End Stores and Shippers. Full particulars in confidence to 76/1, Office of this Paper.

TOILET Holdalls, Powder Puffs, etc., Manufacturers require Agents on commission basis to call on Wholesalers and Multiple Stores. State territory and full particulars to 76/101, Office of this Paper.

TRAVELLERS calling on Chemists and Hairdressers offered excellent side-line on commission basis. Reply, giving particulars of age, territory, lines carried, etc., to 80/55, Office of this Paper.

VERNON POWELL, LTD., require young Representative with sound connexion for N. and N.W. London. Apply by letter only to 4 and 5 Love Lane, Wood Street, E.C.2.

WANTED.—Representatives for South Wales, also Eastern Counties, with Surgical and Medical connexion preferred, by well-equipped firm. Also one for Hospital and Surgical trade over larger area. 320/642, Office of this Paper.

YOUNG Qualified Man required to be trained for Medical Propaganda department of Manufacturing Chemists; good prospects for intelligent, hard worker. Write full particulars to 78/7, Office of this Paper.

COLONIAL, INDIAN AND FOREIGN

QUALIFIED Assistant required in September by E. M. de Souza & Co., Post Box 134, Rangoon, Burma; preference given to Scots with a little experience of Wholesale and office routine; commencing salary approximately £38 per month; selected applicants interviewed in Britain in July. Further particulars from our Buying Agents, The British Drug Houses, Ltd., London. Applications, with copies of references and photo, direct to Rangoon.

SITUATIONS WANTED

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A.A.A.A.—Qualified (35), desires post in London; smart appearance; good personality; first-class Salesman and Display; all-round City and West End experience; Toilets, Cosmetics, etc., also Belts, Trusses and Surgical; interview essential; free now. Chemist, 171 Park Road, Worthing, Sussex.

A.A.A.—CHEMIST (24), tall, with excellent references, desires post as Branch Manager, anywhere; excellent Dispenser, Window-dresser; accustomed to Toilets; good Counter manner; flat if possible; free March 6; urgent. 5 Southern Road, Boscombe, Bournemouth.

A.A.—YOUNG Chemist and wife, both Qualified; energetic and experienced, require positions in England, Colonial or foreign. 78/3, Office of this Paper.

A.—UNQUALIFIED Assistant, gentleman (25); smart appearance, good personality; experienced high-class Family, City and West End business; London or S.E. Suburbs only; interview essential; disengaged; highest references. P.C.B. 272/17, Office of this Paper.

A QUALIFIED Scot (32); extensive all-round experience Counter, Window-dressing, Dispensing; free; salary moderate. Replies, c/o Harris, 164 Tollington Park, N.4.

A SSISTANT, Unqualified; tall; good address; 12 years' experience, London and Provinces, Dispensing Counter, Photo, etc.; disengaged March; preferably within 50 miles' radius Bedford. R., 69 Harpur Street, Bedford.

BIRMINGHAM OR MIDLAND AREA preferred, but not essential; Locum work undertaken; thorough all-round experience and well recommended; open for immediate engagement. Hanley, 180 Lozells Road, Birmingham.

CAPABLE, Qualified Gentleman (31), experienced all branches; well recommended, good appearance; London only. R., 12 Monmouth Road, W.2.

CHEMIST, experienced, recommended; excellent Prescriber; Locum or permanency; disengaged; London or provinces; anywhere. Chemist, 36 Buckley Road, Brondesbury, London, N.W.6.

CHEMIST, experienced; disengaged; locum or permanency. M.P.S., c/o Y.M.C.A., Friar Street, Reading.

DISPENSER, Lady, Hall, requires post, Doctor or Institution only; part-time or evening Surgeries; experienced; good references. A., 235 St. Margaret's Road, Twickenham.

ELDERLY active Pharmacist, good appearance and address; part-time or light duties; Superintendent, Dispenser, capable Counterman and Prescriber; North London preferred. 80/30, Office of this Paper.

JAMES LEES, Beechwood, New Cumnock, Ayrshire; experienced Qualified Locum; England or Scotland; anywhere; terms to accommodate.

LADY, Qualified (28), seeks responsible position; knowledge high-class trade, Toilet and Dispensing; 5 years as Manager; short West End experience; Braford district preferred. Agnes Perfect, 1 Pollard Lane, Bradford.

MANAGER or Locum, Qualified; West End experience; live Salesman, Window-dresser, first-class Dispenser; London preferred. "Pharmacist," 5 Warwick Road, New Barnet.

M.P.S. (47) desires situation, permanency or locum, London area; abstainer; tall; disengaged. 34 Santos Road, S.W.18. Phone: Putney 4946.

M.P.S. (25) requires situation. P.C.B. 272/4, Office of this Paper.

PART-TIME, by arrangement, Unqualified, thorough comprehensive experience (West End, etc.); good Salesman, Dispenser, Linguist. P.C.B. 272/18, Office of this Paper.

PART-TIME in London, Qualified; elderly but active; strictly moderate terms. 80/47, Office of this Paper.

PHARMACIST, with long high-class London experience, offers his services as Manager or Partner. 71/3, Office of this Paper.

PHARMACIST (23), single, Square-trained, seeks position, Wholesale or highest class Retail house; excellent references; of good address and pleasing personality. Hopkinson, 151 Britton Street, Gillingham, Kent.

PHARMACIST, 20 years' managerial experience high-class Dispensing and Family Business; good personality; 10 years present situation; desires change, 80/33, Office of this Paper.

QUALIFIED, available immediately, for Locum or permanency; experienced Dispensing, Photographic, Toilets and Window-dressing; excellent Counter Hand; would appreciate position where a knowledge of Optics could be acquired. Chemist, 3 Dixons Lane, Old Catton, Norwich.

QUALIFIED.—Experienced Lady desires post with view to purchase later on if business suitable; reasonable hours; Bucks or Herts preferred, but not essential; or would consider purchase of suitable business. 80/49, Office of this Paper.

QUALIFIED Lady (25) desires change; 7 years' all-round experience; high class Dispensing, Counter, Window-dressing and Toilets (Imoxa, Jane Seymour, etc.); free end of February; West or South-West London preferred. 80/19, Office of this Paper.

QUALIFIED Lady (24) desires position in London; high-class Retail and Hospital experience; well educated; skilful Window-dresser, reliable Dispenser; free about March 25. N. R., 4 Esmar Crescent, West Hendon, N.W.9.

QUALIFIED Manager, fully experienced, good references and personality, seeks permanency; locum entertained; free. Snow, "Brockedon," Lovibond's Avenue, Orpington, Kent.

QUALIFIED, Scot, 17 years' varied experience all branches, desires position of trust, Manager or Senior; excellent references. Leith, 106 Cricketfield Road, E.5.

QUALIFIED Senior, capable taking full charge, requires permanent situation; good Salesman, address and appearance; thoroughly experienced; London (West End or City) or high-class seaside provincial town. "Chemist," c/o 11 Bunhill Row, E.C.1.

QUALIFIED (23); accurate Dispenser; tactful Salesman; excellent knowledge of Display and Photography. 4 Regent Street, Desborough, Northants.

QUALIFIED (38), tall, married, with all-round experience, including 12 years' management, seeks permanency as Branch Manager; free now. Benson, 57 William Street, Swindon, Wilts.

QUALIFIED (24 years), locum or permanency; experienced Counter, Window-dressing, busy Dispensing, etc.; excellent references. P.C.B. 272/10, Office of this Paper.

COT (24), Qualified, desires change; Manager or Assistant; 9 years' experience in middle-class districts; 2½ years as Manager; excellent references; free February 21; North or East London preferred. 80/10, Office of this Paper.

UNQUALIFIED (25) desires permanent progressive post; S.W. preferred but not essential; well recommended; 6 years' retail experience. 78/2, Office of this Paper.

WHOLESALE

A.A.A.—**REPRESENTATIVE**, Qualified by experience, study and I.S.M.A. examination for position Assistant Sales Manager, desires post traveller prominent firm, who will reward good results with early promotion higher position. Now representing Wholesale Chemists; personal connexion Chemists, Druggers, Stores, S.W. Counties; 36; car; excellent references. 17, 17 Pennsylvania, Exeter.

REPRESENTATIVE, well known London and Provinces, fully conversant with all Chemists' lines, including Drugs, Sundries, Surgical Aids, Photographic, Toilet and Perfumery, desires side-line; first-class references; good sales record. Traveller, 30 Spring Road, Addiscombe, Surrey.

KEEN and industrious Young Man, well known to Chemists and Stores in the Midlands, Eastern and Home Counties, wishes to represent a firm of repute; 5 years' experience; proved sales record; own car. Rep., 97 Melton Road, Leicester.

VERTISER (36) seeks change; Manufacturing Chemists' Packed Goods trade and allied; sound experience Buying materials, bottles, tins, cartons, all works' requirements; Costing, finished article; Organisation and Management matters; as Buyer, Manage branch office, assist Principal or similar. 80/17, Office of this Paper.

VERTISING Assistant (man, 23); sound experience in Advertising Agencies; Layout, Blocks, Copy, etc. G. C. H., 5 Woodland Gardens, N.10.

COSMETIC Chemist, with wide practical experience, manufacturing large range of high-class products, seeks position; good organiser; used to modern methods and complete factory control. 81/5, Office of this Paper.

NERGETIC and adaptable Young Man (25), with extensive knowledge of the Perfumery trade, seeks berth as Assistant Manager or similar post in progressive factory; capable taking control organisation, production, stores, etc., and all correspondence; well educated and ambitious, with first-class experience and entirely satisfactory references. 80/23, Office of this Paper.

ORELADY seeks light occupation; good all-round experience; excellent references. Wateridge, 114 Lady Margaret Road, Wotton Park, N.19.

PHARMACIST, late proprietor of high-class Dispensing Business, desires position with reputable house for Medical Proprietary, Drugs, etc.; extensive knowledge of Therapeutics and exceptional Medical experience; South or Western Counties preferred. Apply, 80/26, Office of this Paper.

QUALIFIED Chemist (25), chemically minded, desires post with Manufacturing House; experience, laboratory and business. Particulars, Chemist, 49 Gurney Road, Southampton.

REPRESENTATIVE, keen, experienced, well educated (41), excellent connexion London and Metropolitan area Chemists and druggers; travelled 19 years Toilets and Medicinals; own car; 8 years last position; highest references; apprenticed to retail Pharmacy. 320/645, Office of this Paper.

NAMES AND ADDRESSES

When sending advertisements for any of the columns of this Supplement, advertisers—as a guarantee of good faith and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not adhered to and delay and disappointment ensue. Strict attention to this detail will be appreciated.

THIRTY Years' experience Representative, Propagandist; car; excellent record, health, address; salary, expenses. "Expert," c/o Jackson, Rowan Avenue, Boothville, Northampton.

THOROUGHLY experienced Advertising and/or Sales Manager (age 38), held executive position for 16 years with largest Pharmaceutical National Advertisers, seeks interview with any interested managing director, with a view to early appointment; highly recommended by some of the most influential figures in the Trade; if you have such a position vacant, an interview will convince you the advertiser is the right man to hold it. 320/633, Office of this Paper.

WELL-EDUCATED Salesman (30); height 5 ft. 11 in., good physique and appearance; hard worker; desires post as Representative with good house; excellent experience Proprietaries, Patents, Toilets, Sundries; own car; salaried post. 80/35, Office of this Paper.

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(Articles to the value of £5-£50.)

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VALUABLE LIBRARY.—Research Chemical Society's Journal, 1889 to 1915 (100 volumes); Society Chemical Industry Journal, 1900 to 1920 (20 volumes), unsoiled, all half-calf bound, gilt lettering, Thorpe's Dictionary (5 volumes), Pharmacopoeia Poison Law Pharmacy; and other Books. Sale at sacrifice. 80/48, Office of this Paper.

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10s. for 60 words or less ; 1s. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

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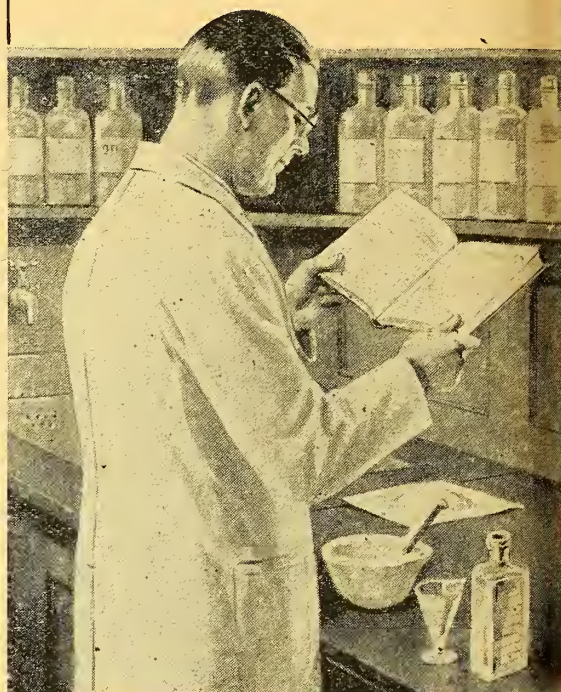
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